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## TITLE 9—ANIMALS AND ANIMAL PRODUCTS

### Chapter I—Agricultural Research Service, Department of Agriculture

#### Subchapter D—Exportation and Importation of Animals and Animal Products

[B. A. I. Order 373, Amdt. 12]

#### PART 94—RINDERPEST, FOOT-AND-MOUTH DISEASE, FOWL PEST (FOWL PLAGUE) AND NEWCASTLE DISEASE (AVIAN PNEUMOENCEPHALITIS) PROHIBITED AND RESTRICTED IMPORTATIONS

#### NONEXISTENCE OF RINDERPEST AND FOOT-AND-MOUTH DISEASE IN MEXICO

Pursuant to the provisions of section 306 of the Tariff Act of 1930 (19 U. S. C. 1306) and section 2 of the act of February 2, 1903, as amended (21 U. S. C. 111) it has been determined, and the Secretary of the Treasury has been notified, that rinderpest and foot-and-mouth disease do not now exist in Mexico, and § 94.1, as amended, of Part 94, Subchapter D, Chapter I, Title 9, Code of Federal Regulations (§ 94.1 of B. A. I. Order 373, as amended) is hereby further amended by deleting subparagraph (1) of paragraph (a) relating to Mexico.

On April 14, 1954, the United States Department of Agriculture issued a press release stating that if the favorable conditions with respect to foot-and-mouth disease in Mexico continued that country would be declared free of the disease as of December 31, 1954. The Joint Mexican-United States Commission for Prevention of Foot-and-Mouth Disease has directly planned and supervised the eradication campaign since the diagnosis of foot-and-mouth disease in Mexico was confirmed on May 23, 1953, and the United States Department of Agriculture Livestock Industry Advisory Committee for Foot-and-Mouth Disease has worked closely with the Department and the Commission in this matter. The Commission kept the Department fully advised as to the details of the eradication program and of all other facts relative to the existence of the disease in Mexico. On December 20 and 21, 1954, the Commission met to consider the situation and informed the United States Department of Agriculture that the disease did not exist in Mexico at that time.

The fact that foot-and-mouth disease does not now exist in Mexico has just been reconfirmed.

The determination, notification, and amendment remove the present prohibitions under section 306 of the Tariff Act upon the importation from Mexico into the United States of the animals and meats specified in paragraph (b) of said § 94.1, as amended, and render the commodities specified in §§ 94.2 to 94.5 of said Part 94, as amended, and originating in Mexico, no longer subject to the provisions of that part.

Accordingly, under section 4 of the Administrative Procedure Act (5 U. S. C. 1003) it is found upon good cause that publication of notice in the FEDERAL REGISTER and other public procedure with respect to the amendment are impracticable, unnecessary, and contrary to the public interest, and the amendment may be made effective less than 30 days after publication in the FEDERAL REGISTER.

The foregoing amendment shall become effective upon issuance.

(Sec. 2, 32 Stat. 792, as amended, sec. 306, 46 Stat. 689; 19 U. S. C. 1306, 21 U. S. C. 111)

Done at Washington, D. C., this 31st day of December 1954.

[SEAL] M. R. CLARKSON,  
Acting Administrator  
Agricultural Research Service.

[F. R. Doc. 55-59; Filed, Jan. 4, 1955; 8:49 a. m.]

## TITLE 7—AGRICULTURE

### Chapter III—Agricultural Research Service, Department of Agriculture

#### PART 320—MEXICAN BORDER REGULATIONS

#### REGULATED VEHICLES, ARTICLES, AND MATERIALS ENTERING INTO UNITED STATES FROM MEXICO

Pursuant to the authority conferred by the Act of Congress approved January 31, 1942, entitled "An Act To provide for regulating, inspecting, cleaning, and, when necessary, disinfecting railway cars, other vehicles, and other materials entering the United States from Mexico" (56 Stat. 40; 7 U. S. C. 149)

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## CODIFICATION GUIDE

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§ 320.2 of the Mexican Border Regulations is hereby amended by deleting therefrom the second sentence reading, "This part, however, shall not apply to railway cars, other vehicles, and other materials originating in and moving directly from the northern territory of Baja California, Mexico."

By this sentence, vehicles and materials originating in and moving directly into the United States from the northern territory of Baja California (now the State of Baja California) Mexico, currently are exempted from the requirements applicable to vehicles and materials entering the United States from other parts of Mexico.

The Mexican fruit fly was recently found in the Mexican State of Baja California. Furthermore, numerous injurious plant pests have been intercepted in vehicles and materials moving from that State through United States ports of entry. Consequently, it is no longer feasible to continue the exemption and it is withdrawn by the foregoing amendment.

In order to protect the United States from the entry of insect pests and plant diseases from the Mexican State of Baja California, it is necessary that the amendment be made effective as soon as possible. Accordingly, under section 4 of the Administrative Procedure Act (5 U. S. C. 1003) it is found upon good cause that notice and other public procedure concerning the amendment are impracticable and contrary to the public interest, and good cause is found for making the amendment effective less than 30 days after publication in the FEDERAL REGISTER.

The foregoing amendment shall be effective on and after December 31, 1954. (56 Stat. 40; 7 U. S. C. 149)

Done at Washington, D. C., this 31st day of December 1954.

[SEAL] M. R. CLARKSON,  
Acting Administrator  
Agricultural Research Service.

[F R. Doc. 55-60; Filed, Jan. 4, 1955;  
8:49 a. m.]

## Chapter VIII—Commodity Stabilization Service (Sugar), Department of Agriculture

### Subchapter B—Sugar Requirements and Quotas [Sugar Reg. 811]

#### PART 814—ALLOTMENT OF SUGAR QUOTAS

##### PUERTO RICO, MAINLAND CANE SUGAR AREA AND DOMESTIC BEET SUGAR AREA, 1954

###### Correction

In Federal Register Document 54-10289, published at page 9212 of the issue for Tuesday December 28, 1954, the following corrections should be made:

1. In the third sentence of the third paragraph the word "program" should read "proration"

2. In the table in § 814.11 (a) the headnote "(Short tons, raw value)" should appear under the headnotes "Mainland allotment" and "Local allotment"

## TITLE 16—COMMERCIAL PRACTICES

### Chapter I—Federal Trade Commission

[Docket 6102]

#### PART 3—DIGEST OF CEASE AND DESIST ORDERS

CHARLES ANTELL CO., INC., ET AL.

Subpart—Advertising falsely or misleadingly: § 3.30 Composition of goods; § 3.170 Qualities or properties of product or service. Order reopening proceeding in Docket 6102, and modifying paragraph 1 (a) (1) of cease and desist order entered in said matter on December 18, 1953, 19 F. R. 511, and reading, "That the main ingredient in said product is lanolin" so as to read, "That the main ingredient in said product from a percentage standpoint is lanolin" and modifying paragraph 1 (a) (5) of said order reading, "That it will remedy the cause of cracked or split hair or will remedy the damage caused by improper dyeing of the hair permanents, burning or other harmful practices having to do with the hair" so as to eliminate from said prohibition the matter above italicized, as in said order below set out.

(Sec. 6, 38 Stat. 722; 15 U. S. C. 46. Interpret or applies sec. 5, 38 Stat. 719; 15 U. S. C. 45) [Order modifying cease and desist order, Charles Antell Co., Inc., et al., Baltimore, Md., Docket 6102, November 26, 1954.]

In the Matter of Charles Antell Co., Inc., a Corporation, T. A. A., Inc., a Corporation, and Charles D. Kasher Julius J. Rosen and Leonard L. Rosen, Individually

This matter having come on to be heard by the Commission upon respondents' motion to modify the order entered herein on December 18, 1953, and answer

thereto by counsel supporting the complaint; and

The Commission having determined, for the reasons appearing in the accompanying opinion,<sup>1</sup> that this proceeding should be reopened and the order to cease and desist modified in the respects by the respondents:

It is ordered, That this proceeding be, and it hereby is, reopened for the purpose of modifying paragraphs 1 (a) (1) and 1 (a) (5) of the order to cease and desist entered herein on December 18, 1953.

It is further ordered, That paragraph 1 (a) (1) of said order to cease and desist, which now reads: "That the main ingredient in said product is lanolin" be, and it hereby is, modified to read: "That the main ingredient in said product from a percentage standpoint is lanolin" and that paragraph 1 (a) (5) of said order to cease and desist, which now reads: "That it will remedy the cause of cracked or split hair or will remedy the damage caused by improper dyeing of the hair, permanents, burning or other harmful practices having to do with the hair" be, and it hereby is, modified to read: "That it will remedy the cause of cracked or split hair."

Issued: November 26, 1954.

By the Commission.<sup>2</sup>

[SEAL] ROBERT M. PARRISH,  
Secretary.

[F R. Doc. 55-51; Filed, Jan. 4, 1955;  
8:45 a. m.]

## TITLE 42—PUBLIC HEALTH

### Chapter I—Public Health Service, Department of Health, Education, and Welfare

#### Subchapter D—Grants

#### PART 53—GRANTS FOR SURVEY, PLANNING AND CONSTRUCTION OF HOSPITALS AND MEDICAL FACILITIES

Notice of proposed rule making, public rule making procedures and postponement of effective date have been omitted in the issuance of the following revision of this part, which relates solely to grants to States, political subdivisions and public or other nonprofit agencies for the construction of public and other nonprofit hospitals and medical facilities.

1. Part 53 is revised to read as follows:

#### Subpart A—Definitions

Sec.  
53.1 Definitions.

#### Subpart B—Distribution of General Hospital Beds

53.11 Plan of distribution.  
53.12 State allowance.  
53.13 Standards for construction program.  
53.14 Beds classified as general hospital beds.

#### Subpart C—Distribution of Tuberculosis, Mental, and Chronic Disease Hospital Beds

53.21 State allowance.  
53.22 Distribution.

<sup>1</sup> Filed as part of the original document.

<sup>2</sup> Commissioner Mead dissenting for the reason that he would reopen and remand the case for the purpose of taking evidence as to the factual questions raised by respondents' motion.

#### Subpart D—Distribution of Public Health Centers

Sec.  
53.31 State allowance.  
53.32 Distribution.

#### Subpart E—Distribution of Diagnostic or Treatment Centers

53.41 State allowance.  
53.42 Distribution.

#### Subpart F—Distribution of Rehabilitation Facilities

53.51 State allowance.  
53.52 Distribution.

#### Subpart G—Distribution of Nursing Home Beds

53.61 State allowance.

#### Subpart H—Priority of Projects

53.71 Manner of determination.  
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53.74 General hospital.  
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53.78 Rehabilitation facilities.  
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53.80 Size and character.  
53.81 Split projects.

#### Subpart I—Flexibility of Allotments and Transfer of State Allotments

53.91 Flexibility of allotments.  
53.92 Transfer of State allotments.

#### Subpart J—General Standards of Construction and Equipment

53.101 General.  
53.102 Size of mental and psychiatric hospitals.  
53.103 Size of tuberculosis hospitals.  
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#### Subpart K—Nondiscrimination and Services for Persons Unable to Pay Therefor

53.111 General.  
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53.113 Hospital, diagnostic or treatment center, rehabilitation facility, and nursing home service for persons unable to pay therefor.

#### Subpart L—Methods of Administration of the State Plan

53.121 General.  
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53.129 Fiscal and accounting requirements.

Appendix A—General standards of construction and equipment.

Appendix B—Merit System Policies of the Public Health Service.

AUTHORITY: §§ 53.1 to 53.129 issued under sec. 215, 58 Stat. 690, as amended; 42 U. S. C. 216. Interpret or apply sec. 622, 60 Stat. 1042, sec. 653, 68 Stat. 463; 42 Stat. 291e. Other statutory provisions interpreted or applied are cited to text in parentheses.

#### SUBPART A—DEFINITIONS

§ 53.1 Definitions. Except as otherwise stated, the following terms shall have the following meanings when used in the regulations in this part:

(a) Area. A logical hospital service area, taking into account such factors as population distribution, natural geographic boundaries, transportation and trade patterns, all parts of which are reasonably accessible to existing or pro-

posed hospital facilities and which has been designated by the State agency as a base, intermediate, or rural area. Nothing in the regulations in this part shall preclude the formation of an interstate area with the mutual agreement of the States concerned.

(b) *Base area.* Any area which is so designated by the State agency and has the following characteristics: (1) Irrespective of the population of the area, it shall contain a teaching hospital of a medical school; this hospital must be suitable for use as a base hospital in a coordinated hospital system within the State; or (2) the area has a total population of at least 100,000 and contains or will contain on completion of the hospital construction program under the State plan at least one general hospital which has a complement of 200 or more beds for general use. This hospital must furnish internships and residencies in two or more specialties and must be suitable for use as a base hospital in a coordinated hospital system within the State.

(c) *Intermediate area.* Any area so designated by the State agency which: (1) Has a total population of at least 25,000 and (2) contains, or will contain on completion of the hospital construction program under the State plan, at least one general hospital which has a complement of 100 or more beds and which would be suitable for use as a district hospital in a coordinated hospital system within the State.

(d) *Rural area.* Any area so designated by the State agency which constitutes a unit, no part of which has been included in a base or intermediate area.

(e) *Coordinated hospital system.* An interrelated network of general hospitals throughout a State in which one or more base hospitals provide district hospitals and the latter in turn provide rural and other small hospitals with such services relative to diagnosis, treatment, medical research and teaching as cannot be provided by the smaller hospitals individually.

(f) *Hospital.* Public health centers and general, tuberculosis, mental, chronic disease, and other types of hospitals, and related facilities, such as laboratories, outpatient departments, nurses' home and training facilities, and central service facilities operated in connection with hospitals, but not institutions furnishing primarily domiciliary care. The term "hospital" except as applied generally to include public health centers, shall be restricted to institutions providing community service for inpatient medical or surgical care of the sick or injured; this includes obstetrics. It shall exclude Federal hospitals and institutions found to constitute a public hazard.

(g) *Allied special hospital.* Cardiac, eye-ear-nose-throat, isolation, maternity, children's orthopedic, and skin and cancer, as well as other hospitals providing similar specialized types of care commonly given in general hospitals. The term excludes mental, tuberculosis, and chronic disease hospitals.

(h) *Chronic disease hospital (hospital for the chronically ill and impaired).* A hospital for the treatment

of chronic illness, including the degenerative diseases, and in which treatment and care is administered by or under the direction of persons licensed to practice medicine or surgery in the State. The term does not include hospitals primarily for the care of mentally ill or tuberculosis patients, nursing homes, and institutions the primary purpose of which is domiciliary care.

(i) *General hospital.* Any hospital for inpatient medical or surgical care of acute illness or injury and for obstetrics, of which not more than 50 percent of the total patient days during the year are customarily assignable to the following categories of cases: Chronic convalescent and rest, drug and alcoholic, epileptic, mentally deficient, mental, nervous and mental, and tuberculosis.

(j) *Mental hospital.* A hospital for the diagnosis and treatment of nervous and mental illness but excluding institutions for the feeble-minded and epileptics.

(k) *Nonprofit hospital, nonprofit diagnostic or treatment center nonprofit rehabilitation facility, and nonprofit nursing home.* Any hospital, diagnostic or treatment center, rehabilitation facility, or nursing home, as the case may be, owned and operated by one or more nonprofit corporations or associations, no part of the net earnings of which inures, or may lawfully inure, to the benefit of any private shareholder or individual.

(l) *Psychiatric hospital.* A type of mental hospital where patients may receive intensive treatment and where only a minimum of continued treatment facilities will be afforded.

(m) *Tuberculosis hospital.* A hospital for the diagnosis and treatment of tuberculosis excluding preventoria.

(n) *Hospital bed.* A bed for an adult or child patient. Bassinets for the newborn in a nursery beds in labor rooms and in health centers, and other beds used exclusively for emergency purposes are not included in this definition.

(o) *Population.* In computing the population of the State or any area thereof for purposes of the regulations in this part, the State agency shall use the latest figures of civilian population certified by the Federal Department of Commerce with such adjustments as may be necessary to reflect changing local conditions. Such adjustments shall not result in any increase in the total population of the State over the figures certified by the Department of Commerce.

(p) *Public health center.* A publicly owned facility utilized by a local health unit for the provision of public health services, including related facilities such as laboratories, clinics, and administrative offices operated in connection with public health centers.

(q) *Local health unit.* A single county city county-city or local district health unit, as well as a State health district unit where the primary function of the State district unit is the direct provision of public health services to the population under its jurisdiction.

(r) *Public health services.* Services provided through organized community effort in the endeavor to prevent disease,

prolong life, and maintain a high degree of physical and mental efficiency. In addition to the services which the community already provides as a matter of practice, the term shall include such additional services as the community from time to time may deem it desirable to provide.

(s) *Diagnostic or treatment center.* A facility providing community service for the diagnosis or diagnosis and treatment of ambulatory patients, which is operated in connection with a hospital, or in which patient care is under the professional supervision of persons licensed to practice medicine or surgery in the State, or, in the case of dental diagnosis or treatment, under the professional supervision of persons licensed to practice dentistry in the State. This includes outpatient departments and clinics of public or nonprofit hospitals. The applicant must be either (1) a State, political subdivision, or public agency, or (2) a corporation or an association which owns and operates a nonprofit hospital.

(t) *Rehabilitation facility.* (1) A facility providing community service which is operated for the primary purpose of assisting in the rehabilitation of disabled persons through an integrated program of medical, psychological, social, and vocational evaluation and services under competent professional supervision. The major portion of such evaluation and services must be furnished within the facility and the facility must be operated either in connection with a hospital or as a facility in which all medical and related health services are prescribed by or are under the general direction of, persons licensed to practice medicine or surgery in the State.

(2) An integrated program brings together as a team specialized personnel from the medical, psychological, social, and vocational areas for the purpose of pooling information, interpretations and opinions for the development of a rehabilitation plan of services in which the disabled individual is viewed as a whole. When members of the team contribute to the diagnosis and treatment of illness, their contributions must be coordinated under medical responsibility. These integrated services may be provided in a facility to care for many types of disabilities or a single type of disability.

(3) A disabled person is an individual who has a physical or mental condition which, to a material degree, limits, contributes to limiting, or if not corrected, will probably result in limiting, the individual's performance or activities to the extent of constituting a substantial physical, mental, or vocational handicap.

(u) *Nursing home.* A facility which is operated in connection with a hospital, or in which nursing care and medical services are prescribed by or performed under the general direction of persons licensed to practice medicine or surgery in the State, for the accommodation of convalescents or other persons who are not acutely ill and not in need of hospital care, but who do require skilled nursing care and related medical services. The term "nursing home" shall be restricted to those facilities, the purpose of which is to provide

skilled nursing care and related medical services for a period of not less than 24 hours per day to individuals admitted because of illness, disease, or physical or mental infirmity and which provide a community service.

(v) *Community service.* A facility renders a community service when the services provided in the facility are available to the general public in accordance with these regulations.

(w) *State.* The 48 States, Alaska, Hawaii, Puerto Rico, Virgin Islands, and the District of Columbia.

(x) *State agency.* As the context may require, the State agency designated by the State pursuant to sections 612 (a) (1) 623 (a) (1) 647 (a) (1) or 653 (a) (1) of the Federal Act.

(y) *Surgeon General.* The Surgeon General of the Public Health Service.

(z) *Federal Act.* Title VI of the Public Health Service Act, as amended.

(aa) *Secretary.* The Secretary of Health, Education, and Welfare.

(Sec. 631, 60 Stat. 1046, as amended, sec. 654, 68 Stat. 464; 42 U. S. C. 2911)

#### SUBPART B—DISTRIBUTION OF GENERAL HOSPITAL BEDS

§ 53.11 *Plan of distribution.* It is the intention of the regulations in this part to provide for distribution of general hospital beds among the different areas of the State so as to provide comprehensive and adequate types of hospital services to all sizes of communities. In accordance with this intent the general methods by which general hospital beds shall be distributed among base areas, intermediate areas, and rural areas, shall be as provided for in §§ 53.12 to 53.14, inclusive.

§ 53.12 *State allowance.* (a) The number of general hospital beds required to provide adequate hospital services to the people residing in any State shall be:

(1) In States having 12 or more persons per square mile, 4.5 beds per thousand population;

(2) In States having less than 12 and more than 6 persons per square mile, 5 beds per thousand population; and

(3) In States having 6 persons or less per square mile, 5.5 beds per thousand population.

(b) If in any area (base, intermediate, or rural) as determined by the State Agency, there are, as of the date of initial approval of the State plan, more beds than required by these standards, such excess (but no increase in such excess after such date) may be eliminated in calculating the maximum allowance for the State as a whole.

§ 53.13 *Standards for construction program.* (a) The construction program under the State plan shall provide for general hospital beds, existing and proposed, in each area within the State in accordance with the following standards:

(1) In States having 12 or more persons per square mile, 2.5 beds per thousand population in rural areas, 4.0 beds per thousand in intermediate areas, and 4.5 beds per thousand in base areas;

(2) In States having less than 12 but more than 6 persons per square mile, 3 beds per thousand population in rural areas, 4.5 beds per thousand in intermediate areas, and 5 beds per thousand in base areas; and

(3) In States having 6 or less persons per square mile, 3.5 beds per thousand population in rural areas, 5.0 beds per thousand in intermediate areas, and 5.5 beds per thousand in base areas.

(b) In addition, the State agency shall subtract from the total number of beds permitted for each area under § 53.12 the total number of beds permitted for each area under paragraph (a) of this section or the number of beds in existence, whichever is greater. The total number of beds so determined for all areas may, in the discretion of the State agency and without regard to standards specified in § 53.12 and paragraph (a) of this section, be allocated to specific areas or held in reserve for subsequent allocation, or any combination of the two. Any allocation of beds under this paragraph shall be done in such a manner as to meet the special needs of the area or areas concerned, and to facilitate the coordination of hospital services. In allocating beds under this paragraph, the State agency shall give special consideration to hospitals serving persons in rural areas and and communities with relatively small financial resources.

§ 53.14 *Beds classified as general hospital beds.* The count of existing general hospital beds shall include the beds in the hospitals of this category as defined above, and also: (a) Beds in allied special hospitals, and (b) beds in any tuberculosis, mental or chronic disease hospital which are specifically assigned for the care of general patients, except where the beds so assigned in any institution number less than ten. Beds for persons hospitalized for the primary condition of tuberculosis, mental, or chronic disease shall be excluded.

#### SUBPART C—DISTRIBUTION OF TUBERCULOSIS, MENTAL, AND CHRONIC DISEASE HOSPITAL BEDS

§ 53.21 *State allowance.* (a) The number of beds required to provide adequate hospital services for tuberculosis patients, mental patients, and chronic disease patients in any State shall be:

(1) For tuberculosis patients, 1.5 times the average number of active and probably active new cases of tuberculosis found annually during the latest two-year period for which data are available, as certified by the State Health Department, provided that the total number of beds so determined shall not exceed 2.5 times the annual deaths from tuberculosis in the State over the five-year period from 1940 to 1944. As used in this paragraph, the term "probably active" means the probable clinical status of the disease when activity has not been determined from adequate roentgenologic and laboratory examinations;

(2) For mental patients, 5 per thousand population;

(3) For chronic disease patients, 2 per thousand population except as provided in § 53.61.

(b) The count of existing tuberculosis, mental, and chronic disease hospital beds shall include the beds in the hospitals of those respective categories, as defined in this section, and also beds in any general hospital which are specifically assigned for the care of tuberculosis, mental, and chronic disease patients respectively except where the beds so assigned in any institution number less than 10 in any category.

§ 53.22 *Distribution.* (a) Whenever practicable, tuberculosis hospitals receiving grants under the Federal Act shall be built in centers of population and in proximity to general hospitals.

(b) Whenever practicable, mental hospitals receiving grants under the Federal Act shall be located in centers of population and in proximity to general hospitals.

(c) Whenever practicable, chronic disease hospitals shall be built in centers of population and in proximity to general hospitals.

#### SUBPART D—DISTRIBUTION OF PUBLIC HEALTH CENTERS

§ 53.31 *State allowance.* The number of public health centers in a State (counting those existing as well as those proposed) shall not exceed one per 30,000 State population, except in States having less than 12 persons per square mile the number shall not exceed one per 20,000 population. The following shall be excluded from the count of public health centers:

(a) Existing facilities which the State agency after consultation with the State health authority has determined to be unsuitable for use as public health centers, and

(b) Auxiliary facilities such as laboratories and clinics, whether existing or proposed, and whether they are located within the same structure as the health department office or in a separate structure.

§ 53.32 *Distribution.* The general method of distribution of public health centers throughout the State shall conform to the plan of organization of local health units within the State. In instances where the State Health Department is not the State agency designated under section 623 (a) (1) of the Federal Act, the method of distribution shall be determined after consultation with the State health authority.

#### SUBPART E—DISTRIBUTION OF DIAGNOSTIC OR TREATMENT CENTERS

§ 53.41 *State allowance.* Diagnostic or treatment centers shall be planned in sufficient number to make at least the basic minimum services readily available to all persons in the State, provided that the total number of diagnostic or treatment centers in the State (counting those existing as well as those proposed) shall not exceed one per 10,000 State population. The basic minimum services are clinical laboratory and diagnostic X-ray. The count of existing diagnostic or treatment centers shall exclude:

(a) Offices of private physicians and dentists, whether for individual or group practice;

(b) Industrial clinics for employees only first aid clinics, and similar facilities not furnishing a community service;

(c) Any diagnostic or treatment center which the State agency determines to be unsuitable in accordance with the objective criteria contained in the State plan. A diagnostic or treatment center shall in any event be regarded as unsuitable if it constitutes a public hazard.

§ 53.42 *Distribution.* (a) In determining the need for additional diagnostic or treatment services in a community as a basis for distribution of diagnostic or treatment centers, consideration shall be given to any such services provided by private physicians and dentists.

(b) Whenever practicable, diagnostic or treatment centers shall be coordinated with existing or proposed hospitals.

#### SUBPART F—DISTRIBUTION OF REHABILITATION FACILITIES

§ 53.51 *State allowance.* (a) Rehabilitation facilities shall be planned by each State so that all persons in the State shall have access to integrated rehabilitation services for all types of disabilities. The facility or facilities may be programmed in the State or by joint planning with one or more other States to service the residents of such States. In a State with more than 300,000 population the number of integrated service units existing and proposed for each disability, whether in multiple disability type facilities or in a single disability type facility shall not exceed one for the first 300,000 population and one for the major fraction of each unit of 300,000 population in excess thereof, and in a State with less than 300,000 population no more than one such integrated service unit may be planned for each type of disability whether in multiple type disability facilities or in a single type disability facility. Within such limitations, a State may expand existing facilities to provide for a greater volume or greater variety of services.

(b) Existing facilities which the State agency has determined to be unsuitable in accordance with the objective criteria contained in the State plan shall be excluded from the count of rehabilitation facilities. A rehabilitation facility shall in any event be regarded as unsuitable if it constitutes a public hazard. Only those existing facilities that meet the definition of § 53.1 (t) will be charged against the State allowance.

§ 53.52 *Distribution.* (a) In determining the need for additional rehabilitation services as a basis for distribution of rehabilitation facilities, consideration shall be given to rehabilitation services provided in existing facilities regardless of whether such facilities are rehabilitation facilities as defined in § 53.1 (t).

(b) Whenever practicable rehabilitation facilities shall be constructed in centers of population and in close proximity to medical centers.

#### SUBPART G—DISTRIBUTION OF NURSING HOME BEDS

§ 53.61 *State allowance.* (a) The number of nursing home beds existing and proposed in a State shall be no less

than 1 per thousand of the State's population and shall not, except as herein provided, exceed 3 beds per thousand. The State may, however, plan in excess of 3 nursing home beds per thousand but not to exceed 4 beds per thousand population in which case the State's allowance for chronic disease hospital beds shall be reduced so that the total number of nursing home beds and chronic disease beds existing and proposed shall not exceed 5 beds per thousand of the population.

(b) Beds in existing facilities which the State agency determines to be unsuitable in accordance with the objective criteria contained in the State plan shall be excluded from the count of nursing home beds. In any event beds in existing facilities which the State agency has determined to be a public hazard shall be excluded from the count of nursing home beds.

#### SUBPART H—PRIORITY OF PROJECTS

§ 53.71 *Manner of determination.* (a) The general manner in which the State agency shall determine the priority of projects included in the State construction program shall conform with the principles set out in this subpart.

(b) In determining the relative priority of projects, special consideration shall be given to those projects providing services to persons located in rural communities and communities with relatively small financial resources.

§ 53.72 *Balance among categories of hospital facilities.* Insofar as practicable, the State agency shall develop the construction program under Part C in relation to the proportionate need for each of the five categories of hospital facilities (general, mental, tuberculosis, chronic, and health centers). In determining proportionate needs, consideration shall be given to existing hospital facilities and those under construction without assistance under the Federal Act.

§ 53.73 *All categories of facilities; additional facilities as against replacements.* Initial installations and additions to existing facilities shall be given priority over replacements, except:

(a) Where replacement is of minor character and necessary to the provision of needed additional facilities;

(b) Where replacement is essential to eliminate an existing needed facility which constitutes a public hazard.

§ 53.74 *General hospital.* The priority of these projects shall be determined after consideration of the following factors in the order of importance as given.

(a) The relative need for beds in the area (base, intermediate, or rural) in which the project will be located, taking into account the utilization of existing general hospital beds in the area,

(b) The extent to which beds will be made available for groups of the population which for any reason are less adequately served than other groups of the population.

§ 53.75 *Chronic disease hospital.* The priority of these projects shall be determined on the basis of the following

factors in the order of importance as given:

(a) Relative need for additional chronic disease beds in the community or communities to be served by the project taken into account existing beds and giving special consideration to projects in which the chronic disease facilities will be operated as subunits of general hospitals;

(b) The extent to which beds will be made available to groups of the population which for any reason are less adequately served than other groups of the population.

§ 53.76 *Public health centers.* Highest priority in this category shall be given to the provision of facilities for local health units serving rural communities and communities with relatively small financial resources. Where the agency designated to administer the State plan is not the State health authority the State agency shall determine the relative priorities to be established after consultation with the State health authority.

§ 53.77 *Diagnostic or treatment centers.* The priority of diagnostic or treatment center projects shall be determined after consideration of the following factors in the order of importance as given:

(a) The relative need for additional diagnostic or treatment services in the community or communities to be served by the project taking into account existing available services;

(b) The extent to which diagnostic and treatment services will be made available to groups of the population which for any reason are less adequately served than other groups of the population.

§ 53.78 *Rehabilitation facilities.* The priority of rehabilitation facility projects shall be determined after consideration of the following factors in the order of importance as given:

(a) Relative need for additional rehabilitation services in the community or communities to be served by the project taking into account existing rehabilitation services and giving special consideration to:

(1) Projects located in medical centers, medical schools or universities with medical schools or medical centers; and

(2) Projects providing a multiple disability service as distinguished from those providing a single disability service;

(b) The extent to which rehabilitation services will be made available to groups of the population which for any reason are less adequately served than other groups of the population.

§ 53.79 *Nursing homes.* (a) The priority of nursing home projects shall be determined after consideration of the following factors in the order of importance as given.

(1) Relative need for additional nursing home beds in the community or communities to be served by the project taking into account the utilization of existing suitable beds;

(2) The extent to which beds will be made available to groups of the popula-



tion which for any reason are less adequately served than other groups of the population.

(b) Special consideration shall be given to nursing home projects operated by hospitals.

§ 53.80 *Size and character* Insofar as practicable and without affecting the priority of facilities serving rural communities and areas with relatively small financial resources, special consideration shall be given to applications for construction of projects of a size and character consistent with efficient and economical operation.

§ 53.81 *Split projects* Special consideration may be given to projects which are parts of facilities with respect to other parts of which applications have been approved prior to July 1, 1952.

#### SUBPART I—FLEXIBILITY OF ALLOTMENTS AND TRANSFER OF STATE ALLOTMENTS

§ 53.91 *Flexibility of allotments* At any time subsequent to 30 days after January 12, 1955 and, thereafter, 30 days after the allotments are made for any fiscal year under Part G, a State may submit a request in writing to the Surgeon General that its allotment or a specified portion thereof for diagnostic or treatment centers, for chronic disease hospitals, or for nursing homes, be added to the allotment for one or both of the other categories. If such request is accompanied by a certification by the State agency (a) that it has afforded a reasonable opportunity to prospective project applicants to make applications for the utilization of funds in the specific category for which such funds were originally allotted and (b) that there have been no approvable applications for the funds sought to be transferred to the other category or categories, the Surgeon General will adjust the allotments in accordance with such request and notify the State agency.

(Sec. 654, 68 Stat. 464)

§ 53.92 *Transfer of State allotments* A State may submit a request in writing to the Surgeon General that its allotment or a specified portion thereof under Part G of the Federal Act for any type of facility be added to the corresponding allotment of another State for the purpose of meeting a portion of the Federal share of the cost of a project for the construction of a facility of that type in such other State. Upon a finding by the Surgeon General in the case of a hospital for the chronically ill and impaired, diagnostic or treatment center, or nursing home, or upon a finding by the Surgeon General and the Secretary in the case of a rehabilitation facility (a) that construction of that facility with respect to which the request is made will meet the needs of the State making the request, and (b) that use of the specified portion of such State's allotment, as requested by the State, will assist in carrying out the purposes of Part G of the Federal Act, then the requested portion of the allotment will be transferred and added to the corresponding allotment of the other State to be used for the purpose of paying part

of the Federal share of the cost of constructing the facility with respect to which the request is made.

(Sec. 654, 68 Stat. 464)

#### SUBPART J—GENERAL STANDARDS OF CONSTRUCTION AND EQUIPMENT

§ 53.101 *General* (a) Plans and specifications for each project submitted to the Surgeon General for approval, and in the case of rehabilitation facilities, the approval of the Secretary, under the Federal Act shall be prepared in accordance with "General Standards of Construction and Equipment" for facilities of different classes and in different types of locations as prescribed by the Surgeon General set forth in Appendix A to this part. The Surgeon General may approve, subject also in the case of rehabilitation facilities to the approval of the Secretary plans and specifications which contain deviations from the requirements prescribed, if he is satisfied that the purposes of such requirements have been fulfilled.

(b) The design and construction covered by the plans and specifications must conform with the applicable State and local laws, codes, and ordinances and with the approved State plan. The plans and specifications must be complete and adequate for contract purposes and have the approval and recommendation of the State agency.

(c) Equipment shall be provided in the kind and to the extent necessary for the proper functioning of the facility as planned.

§ 53.102 *Size of mental and psychiatric hospitals* No application for construction of a psychiatric hospital with a capacity of more than 500 beds or of a mental hospital with a capacity of more than 3,000 beds shall be approved. This requirement shall not be construed to prevent approval of applications for improvements of psychiatric and mental hospitals with bed capacities equal to or greater than those specified above, if such improvements are designed to provide more intensive treatment facilities within such hospitals.

§ 53.103 *Size of tuberculosis hospitals* No application for construction of a tuberculosis hospital with a capacity of less than 100 beds shall be approved, except that an application for construction of a tuberculosis hospital with a capacity from 50 to 100 beds may be approved where necessary to provide facilities for an isolated area too small to support a larger hospital.

§ 53.104 *Size of nursing homes* No application shall be approved for construction of a nursing home, not an addition to a hospital, with a capacity of less than 10 beds.

#### SUBPART K—NONDISCRIMINATION AND SERVICES FOR PERSONS UNABLE TO PAY THEREFOR

§ 53.111 *General* The State plan shall provide for adequate hospital, diagnostic or treatment center, rehabilitation facility and nursing home service for the people residing in a State without discrimination on account of race,

creed, or color, and shall provide for adequate facilities of these types for persons unable to pay therefor.

§ 53.112 *Nondiscrimination* Before a construction application is recommended by a State agency for approval, the State agency shall obtain assurance from the applicant that the facilities to be built with aid under the Act will be made available without discrimination on account of race, creed, or color, to all persons residing in the area to be served by that facility. However, in any area where separate hospital, diagnostic or treatment center, rehabilitation or nursing home facilities, are provided for separate population groups, the State agency may waive the requirement of assurance from the construction applicant if (a) it finds that the plan otherwise makes equitable provision on the basis of need for facilities and services of like quality for each such population group in the area, and (b) such finding is subsequently approved by the Surgeon General. Facilities provided under the Federal Act will be considered as making equitable provision for separate population groups when the facilities to be built for the group less well provided for heretofore are equal to the proportion of such group in the total population of the area, except that the State plan shall not program facilities for a separate population group for construction beyond the level of adequacy for such group.

§ 53.113 *Hospital, diagnostic or treatment center rehabilitation facility, and nursing home service for persons unable to pay therefor* Before a construction application is recommended by a State agency for approval, the State agency shall obtain assurance that the applicant will furnish a reasonable volume of free patient care. As used in this section, "free patient care" means hospital, diagnostic or treatment center, rehabilitation facility or nursing home service offered below cost or free to persons unable to pay therefor, including under "persons unable to pay therefor" both the legally indigent and persons who are otherwise self-supporting but are unable to pay the full cost of needed care. Such care may be paid for wholly or partly out of public funds or contributions of individuals and private and charitable organizations such as community chests or may be contributed at the expense of the hospital itself. In determining what constitutes a reasonable volume of free patient care, there shall be considered conditions in the area to be served by the applicant, including the amount of free care that may be available otherwise than through the applicant. The requirement of assurance from the applicant may be waived if the applicant demonstrates to the satisfaction of the State agency subject to subsequent approval by the Surgeon General, that furnishing such free patient care is not feasible financially.

#### SUBPART L—METHODS OF ADMINISTRATION OF THE STATE PLAN

§ 53.121 *General* The State plan shall provide for general methods of

administration which are in accord with the principles set out in §§ 53.122 to 53.128.

§ 53.122 *Construction program.* The State hospital, diagnostic or treatment center, rehabilitation facility, and nursing home construction program shall be developed in the following manner:

(a) The State agency shall determine need for hospital facilities of all types, health center facilities, diagnostic or treatment centers, rehabilitation facilities, and nursing homes by applying the ratios heretofore specified and deducting existing facilities, except those justifying replacement under priority regulations.

(b) The State agency shall determine through field investigation, and otherwise, the approximate locations within each area at which needed hospital beds or health centers should most appropriately be built and the approximate locations at which needed diagnostic or treatment centers, rehabilitation facilities and nursing homes should be constructed.

(c) After having determined hospital, public health center, diagnostic or treatment center, rehabilitation facility, and nursing home needs, the State agency shall establish an over-all construction program. This program shall set forth all such needs in accordance with the standards specified in §§ 53.12, 53.21, 53.31, 53.41, 53.51, and 53.61 and shall show the relative need for each project included, irrespective of the availability of funds for construction and for maintenance and operation.

(d) The State agency shall from time to time as necessary but at least annually review the over-all hospital, public health center, diagnostic or treatment center, rehabilitation facility, and nursing home construction program. Annually at a time fixed by the Surgeon General, the agency shall submit to him a report, which shall contain such revisions of the construction program, as the agency considers necessary.

(e) The State agency shall establish a separate construction schedule on such forms and for such periods as the Surgeon General may prescribe. Insofar as funds are available for construction and for maintenance and operation, construction shall be scheduled in the order of relative need.

(Sec. 623, 60 Stat. 1043, as amended; 42 U. S. C. 291f)

§ 53.123 *Personnel administration.* A system of personnel administration on a merit basis shall be established and maintained with respect to the personnel employed in the administration of the State plan. Such a system shall include provision for:

(a) Impartial administration of the merit system;

(b) Operation on the basis of published rules or regulations;

(c) Classification of all positions on the basis of duties and responsibilities and establishment of qualifications necessary for the satisfactory performance of such duties and responsibilities;

(d) Establishment of compensation schedules adjusted to the responsibility and difficulty of the work;

(e) Selection of permanent appointees on the basis of examinations so constructed as to provide a genuine test of qualifications and so conducted as to afford all qualified applicants opportunity to compete;

(f) Advancement on the basis of capacity and meritorious service; and

(g) Tenure of permanent employees. Substantial compliance with the merit system policies of the Public Health Service as set forth in Appendix B will be deemed to meet the requirements of the regulations in this part.

(Sec. 623, 60 Stat. 1043, as amended; 42 U. S. C. 291f)

§ 53.124 *Fair hearings.* The State agency shall establish such rules and regulations as will provide an opportunity for an appeal to and a fair hearing before the State agency to every applicant for a construction project who is dissatisfied with any action of the State agency regarding its application.

(Sec. 623, 60 Stat. 1043, as amended; 42 U. S. C. 291f)

§ 53.125 *Construction standards.* The State agency shall adopt general standards of construction and equipment for the various types of hospitals, public health centers, diagnostic or treatment centers, rehabilitation facilities, and nursing homes assisted under this program. The standards adopted shall not be less than the general standards prescribed by the Surgeon General and set forth in Appendix A to this part.

§ 53.126 *Publicizing the State plan.*

(a) Prior to the submission of the State plan and its annual revision to the Surgeon General, the State agency shall publish a general description of the provisions proposed to be included in the State plan and shall give reasonable notice of a public hearing at which all interested persons or organizations will be given an opportunity to be heard.

(b) After the Surgeon General has approved the State plan and its annual revisions the State agency shall publish a general description of its provisions in newspapers having general circulation throughout the State and shall make the approved State plan available for examination, upon request, to all interested persons or organizations.

(c) The provisions of this section shall also apply to any revisions of or supplements to the State plan pursuant to Part G of the Federal Act.

§ 53.127 *Processing construction applications.* (a) *Form of application.* Construction applications, including a detailed estimate of the cost of the project, shall be submitted to the Surgeon General through the State agency and shall be executed on forms prescribed by the Surgeon General.

(b) *Order of processing applications.* The State agency shall process applications received in the order of priority, except that the State agency may approve, recommend and forward to the Surgeon General applications out of the order of priority if:

(1) The State agency has afforded reasonable opportunity for development

and presentation of projects in the order of priority, and

(2) If the State agency certifies to the Surgeon General that financial resources for the construction, maintenance and operation of projects of higher priority are not then available.

The priority of a project under the State plan shall not be affected by the fact that other projects of lower priority have previously been approved and recommended by the State agency

(c) *Assurances from applicant.* In addition to assurance otherwise required by the State agency before approving an application, the State agency must have assurance from the applicant:

(1) That actual construction work will be performed by the lump sum (fixed price) contract method, that adequate methods of obtaining competitive bidding will be or have been employed prior to awarding the construction contract, either by public advertising or circularizing three or more bidders, and that the award of the contract will be or has been made to the responsible bidder submitting the lowest acceptable bid: *Provided, however* That the purchase and installation of equipment which is unique to a hospital, diagnostic or treatment center, rehabilitation facility or nursing home, as well as kitchen, laundry laboratory and pharmacy equipment, need not be considered construction work for the purpose of this section, except that if open competitive bidding is employed to obtain any or all of these items, the award shall be made to the responsible bidder submitting the lowest acceptable bid.

(2) That section 2, Labor Standards (PHS Form 144 as revised) will be included in all construction contracts in excess of \$2,000. That construction contracts in excess of \$2,000 will prescribe the minimum rates of pay for laborers and mechanics engaged in the construction of the project as determined by the Secretary of Labor in accordance with the Davis-Bacon Act, 49 Stat. 1011, as amended, and the regulations issued pursuant thereto by the Secretary of Labor.

(3) That all construction contracts regardless of amount will include paragraph 8, Section 2, Labor Standards (PHS Form 144 as revised) relating to kickbacks;

(4) That the project will not be advertised or placed on the market for bidding until the final working drawings and specifications have been approved by the Surgeon General and the applicant has been so notified;

(5) That no construction contract or contracts for the project or a part thereof, the cost of which is in excess of the estimated cost approved in the application for that portion of the work covered by the plans and specifications, will be entered into without the prior approval of the Surgeon General;

(6) That the construction contract will require the contractor to furnish performance and payment bonds, the amount of which shall each be in an amount not less than fifty per centum (50%) of the contract price, and to maintain during the life of the contract



adequate fire, workmen's compensation, public liability and property damage insurance;

(7) That any change or changes in the contract which (i) makes any major alteration in the work required by the plans and specifications, or (ii) raises the total contract price over the approved estimate of cost of the work covered by the plans and specifications will be submitted to the Surgeon General for prior approval,

(8) That the construction contract will provide that the Surgeon General, the State agency and their representatives will have access at all times to the work wherever it is in preparation or progress and that the contractor will provide proper facilities for such access and inspection;

(9) That the applicant will provide and maintain competent and adequate architectural or engineering supervision and inspection at the project to insure that the completed work conforms with the approved plans and specifications; and

(10) That a hospital, when completed, will be operated and maintained in accordance with minimum standards prescribed by the State agency for the maintenance and operation of hospitals aided under the Federal Act; that a diagnostic or treatment center, rehabilitation facility or nursing home, when completed, will be operated and maintained in accordance with standards of maintenance and operation, if any as prescribed by the State for such facilities.

*Provided*, That except with respect to subparagraph (1) of this paragraph, the State agency subject to the approval of the Surgeon General, may approve modifications of the assurances required under this paragraph or waive technical compliance with any of the requirements of such assurances, if it finds that the purpose of such assurances and requirements is fulfilled.

(d) *Certification to the Surgeon General.* After the State agency has approved a construction application, it shall recommend it to the Surgeon General for approval and shall certify:

(1) That the application contains reasonable assurance as to title, payment of prevailing rates of wages, and financial support for the non-Federal share of the cost of construction and the entire cost of maintenance and operation when completed;

(i) Availability of funds for the non-Federal share of construction costs shall mean (a) funds immediately available, placed in escrow, or acceptably pledged, or (b) funds or fund sources specifically earmarked in a sum sufficient for that purpose or (c) other assurances acceptable to the Surgeon General.

(ii) To assure the availability of funds for maintenance and operation, the application for the construction of a new project must include a proposed operating budget, on a form prescribed by the Surgeon General, for the two year period immediately following its completion. In the case of an addition to an existing facility the application must include a

statement showing that funds are or will be available to meet the difference between proposed expenditures and anticipated income from the operation of the constructed addition for the two year period immediately following its completion.

(2) That the plans and specifications are in accord with Appendix A,

(3) That the application is in conformity with the State plan approved by the Surgeon General and contains an assurance that the applicant will conform to the applicable requirements of the plan;

(4) That the application contains an assurance that the applicant will conform to the requirements of §§ 53.111, 53.112; and 53.113 regarding the provision of facilities without discrimination on account of race, creed, or color, and for furnishing needed hospital facilities for persons unable to pay therefor.

(5) That the application contains an assurance that the applicant will conform to State standards for operation and maintenance and to all applicable State laws and State and local codes, regulations, and ordinances;

(6) That the application is entitled to priority over other projects within the State and that in making this determination the State agency has complied with paragraph (b) of this section; and

(7) That the State agency has approved the application.

(e) *Amendments to application.* An amendment to any application approved by the Surgeon General shall be processed in the same manner as an original application, except that the original application's conformity with priority regulations shall suffice for the amendment. Minor changes not provided for under paragraph (c) (7) of this section are not considered amendments.

(Sec. 625, 60 Stat. 1045, as amended, sec. 654, 68 Stat. 463, 464; 42 U. S. C. 291h)

§ 53.128 *Requests for construction payments—(a) Certification by State agency.* The State agency shall certify to the Surgeon General the amount of payments due to an applicant for the cost of work performed and materials and equipment furnished.

(1) Requests for payment under the construction contract shall be submitted in each of three stages, as follows:

(i) The first installment when not less than 25 percent of the work of construction of the building has been completed,

(ii) The second installment when the mechanical work has been substantially roughed in, and

(iii) The third installment when work under the construction contract is completed and final inspection made.

(2) Requests for payment of the Federal share of other allowable costs such as architect's fee, inspection cost, and cost of equipment shall be included in requests for payments made at one or more of the stages indicated in this paragraph.

(3) All costs that have been determined at the time the third payment for work performed under the construction contract is requested shall form the basis

of a request for final payment of the Federal share of the entire project.

(4) With the consent of the Surgeon General, the State agency may adopt a different schedule of payments, but in no case shall such payments be less frequent than those scheduled in this paragraph.

(b) *Inspection by State agency.* As a basis for certification by the State agency that payment of an installment is due an applicant, the State agency without expense to the Federal Government, shall make adequate inspections to determine that the work has been performed upon a project, or purchases have been made, in accordance with the approved plans and specifications.

(Sec. 625, 60 Stat. 1045, as amended, sec. 654, 68 Stat. 463, 464; 42 U. S. C. 291h)

§ 53.129 *Fiscal and accounting requirements—(a) Construction allotments.* (1) The State agency shall be responsible for establishing and maintaining accounts and fiscal controls of all Federal and State funds allotted for construction projects. Federal and State funds shall be separately identified by maintaining separate fund accounts for this purpose.

(2) The fiscal records shall be so designed as to show at any given time the Federal funds allotted, encumbered, and unencumbered balances. If State contributions are made for construction, separate accounts, reflecting similar information, shall be maintained for State funds.

(b) *Construction payments.* (1) Where the State may receive Federal funds for applicants for construction project grants, or the State itself is an applicant, adequate records of account and fiscal controls shall be established and maintained by the State to assure proper accounting of all funds received and disbursed. Similar suitable accounts shall be maintained to show the receipt and disbursement of State, local or other funds used for matching purposes.

(2) The State agency shall require that applicants receiving Federal funds establish and maintain adequate accounting and fiscal records to reflect the receipt and expenditure of funds allotted and paid for construction projects.

(3) The States which by law are authorized to make payments to applicants shall promptly pay such applicants funds certified for payment by the Surgeon General for approved construction projects.

2. The above revision of this part was approved by the Federal Hospital Council at a meeting held November 23, 1954, and is effective January 12, 1955.

Dated: December 21, 1954.

[SEAL] LEONARD A. SCHEELE,  
Surgeon General.

Approved: December 21, 1954.

LEONARD A. SCHEELE,  
Chairman,  
Federal Hospital Council.

Approved: December 28, 1954.

BRADSHAW MINTENER,  
Acting Secretary.

# APPENDIX A—GENERAL STANDARDS OF CONSTRUCTION AND EQUIPMENT

## Sec.

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**I. Introduction.** The standards set forth herein have been established by the Surgeon General of The U. S. Public Health Service as required by the Hospital Survey and Construction Act. These standards constitute minimum requirements for construction and equipment and shall apply to all projects for which Federal assistance is requested under the act. They are considered necessary to insure properly planned and well constructed hospitals and public health centers which can be maintained and efficiently operated to furnish adequate services.

Throughout these General Standards reference is made to certain sizes of hospitals such as, "up to and including 100 beds" "over 100 beds" etc. These references are not meant to be applied strictly. They indicate the approximate sizes at which certain changes in requirements will occur.

It should be particularly noted that the small hospital of 50 beds or under presents a special problem. The size of the various departments will be generally smaller and will depend upon the requirements of the particular hospital. Some of the functions allotted separate spaces or rooms in these General Standards may be combined provided that the resulting plan will not compromise the best standards of medical and nursing practice. In other respects the General Standards set forth herein, including the area requirements, will apply.

In the case of types of hospitals not specifically treated herein the Standards for General Hospitals will apply. Due allowance will be made for the specialized or unusual requirements of the particular hospital involved.

Since these are minimum requirements it is desirable only that they form a basis for development of higher standards. In the interest of promoting the development of

higher standards it is the intention of the Public Health Service to make suggestions and disseminate the latest information as to current good practice in planning and design of health facilities. This information will be distributed from time to time to State agencies and other interested persons.

No attempt has been made in establishing these standards to comply with all of the various State and local codes and regulations. However, strict compliance with all applicable State and local codes and regulations is required. Likewise, compliance is required with minimum standards of construction and equipment promulgated by the State Agency where such requirements provide a higher standard than these Federal requirements.

**II. Site survey and soil investigation.** 1. The applicant shall provide for a survey and soil investigation of the site and furnish a plat of the site. The purpose of this survey and soil investigation is to obtain all information necessary for the design of the building foundations and mechanical service connections and development of the site. It is suggested that this matter be deferred until the Architect has been selected in order that he may co-operate with the Engineer who obtains the data.

2. If any existing structures or improvements on the site are to be removed by the owners or others, the buildings or improvements must be so designated on the plat.

3. Any discrepancies between the Survey and the recorded legal description shall be reconciled or explained.

4. The plat shall indicate:

(a) The courses and distances of property lines.

(b) Dimensions and location of any buildings, structures, easements, rights-of-way or encroachments on the site.

(c) Details of party walls, or walls and foundations adjacent to the lot lines.

(d) The position, dimensions and elevations of all cellars, excavations, wells, back-filled areas, etc., and the elevation of any water therein.

(e) All trees which may be affected by the building operations.

(f) Detailed information relative to established curb and building lines and street, alley, sidewalk and curb grades at or adjacent to the site and the materials of which they are constructed.

(g) All utility services and the size, characteristics, etc., of these services.

(h) The location of all piping, mains, sewers, poles, wires, hydrants, manholes, etc., upon, over or under the site or adjacent to the site if within the limits of the survey.

(i) Complete information as to the disposal of sanitary, storm water and subsoil drainage and suitability of subsoil for rain-water or sanitary disposal purposes if dry wells are used.

(j) Official datum upon which elevations are based and a bench mark established on or adjacent to the site.

(k) Elevations on a grid system of not less than 20-foot intervals to indicate changes of slope, etc., over that portion of the site to be developed.

(l) Elevations of contours, bottoms of excavations, etc.

(m) Contemplated date and description of any proposed improvements to approaches or utilities adjacent to the site.

5. The plat shall bear a certification by the City Engineer or other qualified official, that the true street lines and the officially established grades of curbs, sidewalks and sewers are correctly given.

6. Adequate investigation shall be made to determine the sub-soil conditions. The investigations shall include a sufficient number of test pits or test borings as will determine, in the judgment of the Architect, the true conditions.

7. Samples of strata of soil or rock taken in each pit or boring shall be retained in suitable containers. Each sample container shall be identified as to the boring and elevations at which taken and the labels initialed by the Engineer making the soil investigation.

8. The following information shall be noted on the plat:

(a) Thickness, consistency, character, and estimated safe bearing value of the various strata encountered in each pit or boring.

(b) Amount and elevation of ground water encountered in each pit or boring, its probable variation with the seasons and effect on the subsoil.

(c) The elevation of rock, if known and the probability of encountering quicksand.

(d) Average depth of frost effect below surface of ground.

(e) High and low water levels of nearby bodies of water affecting the ground water level.

(f) The probability of freshets overrunning the site.

(g) Whether the soil contains alkali in sufficient quantities to affect concrete foundations.

(h) The elevation and location of the top of workings relative to the site, if the site is underlain with mines, or old workings are located in the vicinity.

(i) Whether the site is subject to mineral rights which have not been developed.

**III. General design and construction standards—(A) Site.** The site of any hospital should be reasonably accessible to the center of community activities. Public transportation should be available within a reasonable distance, especially if an outpatient service is to be maintained.

Hospitals should be located in relation to the center of population, close to where patients live and where competent special medical and surgical consultation is readily available and where employees can be recruited and retained.

The site should not be near insect breeding areas, noise, or other nuisance producing industrial developments; airports, railways or highways producing noise or air pollution, or near penal or other objectionable institutions or near a cemetery.

Adequate roads and walks shall be provided within the lot lines to the main entrance, ambulance entrance and service entrance.

The site for a public health center should be convenient to the center of community activities.

(B-1). *General hospital.* Units required in the General Hospital:

## Administration Department

Up to and including 100 beds:

Business office with information counter.

PBX Board and night information.<sup>1</sup>

Administrator's office.

Director of nurses' office.<sup>1</sup>

Medical record room.

Staff lounge.

Lobby.

Public toilets.

Over 100 beds:

Business office.

Information counter.

PBX Board and night information.<sup>1</sup>

Administrator's office.

Director of nurses' office.

Admitting office.

Medical social service room.<sup>1</sup>

Medical record room (should be easily available to O. P. D.)

Staff lounge.

Library, conference and board room.

Lobby.

Retiring room.<sup>1</sup>

Public toilets.

<sup>1</sup> Desirable but not mandatory.

**Adjunct Diagnostic and Treatment Facilities**

Except for the morgue and autopsy, this department preferably should be located convenient to both in- and out-patients.

**Laboratory**

Adequate facilities for chemical, bacteriological, serological, pathological and hematological services. Approximately 4½ sq. ft. per bed should be provided for this purpose.

Basal metabolism and electrocardiography. Up to and including 100 beds; No special provisions required. Can be done in bed rooms.

Over 100 beds: One room near the laboratory.

Morgue and autopsy.<sup>1</sup> may not be required in hospitals under 50 beds if other facilities such as undertaker or coroner are available. Where provided: Combination morgue and autopsy with mortuary refrigerator.

Radiology. Each hospital to have at least 1 radiographic room with adjoining darkroom, toilet, and office. Hospitals of 150 beds and over should have at least 1 additional radiographic room. The radiology department should have ray protection as required.

Physical therapy.<sup>1</sup> In hospitals of 100 beds and over. Space should be provided for electrotherapy, hydrotherapy, massage, and exercise. Equipment to be furnished when competent technician is acquired.

**Pharmacy**

Up to and including 100 beds: Drug room with minimum facilities for compounding.

Over 100 beds: Complete pharmacy and may include space for manufacturing and solution preparation depending on policy of hospital.

**Nursing Department****General:**

No room should have more than 4 beds. Each room shall have a lavatory. Nursing units composed of multi-bed rooms shall have a quiet room. No patients' bed rooms shall be located on any floor which is below grade.

Approximately ⅓ of the hospital beds shall be in one-bed rooms, ⅓ in two-bed rooms, and ⅓ in four-bed rooms.<sup>1</sup>

Size of nursing unit: Not more than 35 beds.<sup>1</sup> Larger units permissible, if additional facilities are provided.

Minimum room areas: 80 sq. ft. per bed in two- and four-bed rooms. 100 minimum sq. ft. in one-bed rooms.

Service rooms in each nursing unit:

- Nurses' station.
- Utility room.
- Floor pantry (one per floor).
- Toilet facilities.
- Bedpan facilities.
- One bathroom.
- Stretcher alcove.<sup>1</sup>
- Linen and supply storage.
- Janitors' closet.

Isolation suite: One for each hospital unless contagious disease nursing unit is available in hospital.

Treatment room:<sup>1</sup> One for each two nursing units per floor.

Solarium. One for each nursing floor.<sup>1</sup>

Nurses' toilet room: One for each nursing floor.

In hospitals of 100 beds and over the maternity department shall be housed in a separate wing or floor.

**Nursery Department****Full term nursery**

Area required: Not less than 24 square feet per bassinet, 30 square feet recommended.

Number of bassinets: No more than 12 bassinets in each full term nursery, 8 recommended.

Examination and work room: One examination and work room between each two full term nurseries.

Premature nursery.<sup>1</sup> Recommended in hospitals of 16 or more maternity beds and required in hospitals of 25 or more maternity beds.

Area required: 30 square feet per bassinet. Number of bassinets: Not more than six in each premature nursery.

Workroom: Each premature nursery to have own work areas.

**Suspect nursery**

Area required: 40 square feet per bassinet. Number of bassinets: Approximately 10% of full term bassinets. Not more than 6 bassinets in each suspect nursery.

Workroom: One workroom for each two suspect nurseries.

Formula room: Location in obstetrical nursery area or near kitchen optional.

**Surgical Department**

(Shall be located to prevent traffic through it to any other part of the hospital)

**Operating rooms:**

Major.<sup>1</sup> One operating room for each 50 beds or major fraction thereof up to and including 200 beds. Above 200 beds the number of operating rooms will be based on the expected average of daily operations.

Cystoscopy.<sup>1</sup> One in each hospital over 100 beds highly desirable. Should have an adjoining toilet room. Location in hospital optional.

Fracture room.<sup>1</sup> One in each hospital over 100 beds. Shall have an adjoining splint room. Location in hospital optional.

**Auxiliary rooms:**

- Sub-sterilizing facilities.
- Scrub-up facilities.
- Nurses' locker room with toilet.
- Janitors' closet.
- Instrument storage.
- Clean-up room.
- Anesthesia equipment storage.
- Surgical Supervisor station.
- Doctor's locker room with toilet.
- Storage closet.
- Stretcher alcove.<sup>1</sup>
- Storage room for sterile supplies beginning at 100 beds.
- Dark room beginning at 100 beds.<sup>1</sup>
- Central sterilizing and supply room: Divided into work space, sterilizing space and sterile storage space.
- Adjacent room for storage of unsterile supplies.
- Location in hospital optional.

**Obstetrics Department**

(Shall be located to prevent traffic through it to any other part of the hospital. Shall be completely separated from Surgical Department)

Delivery rooms: One for each 20 maternity beds.

Labor beds: One for each 10 maternity beds.

**Auxiliary rooms:**

- Sub-sterilizing facilities.
- Scrub-up facilities.
- Clean-up room or utility room.
- Supervisors' station.
- Nurses' locker room with toilet starting at 50 beds.<sup>1</sup>
- Sterile storage closet.
- Stretcher alcove.<sup>1</sup>
- Janitors' closet.
- Doctors' locker room with toilet starting at 50 beds.

**Emergency Department****Accident room:**

- With separate ambulance entrance.<sup>1</sup>
- Should be separated from operating suite and obstetrical suite.

Additional facilities will depend on amount of accident work expected.

**Service Department****Dietary facilities:**

- Main kitchen and bakery.
- Dietitian's office.
- Dishwashing room.
- Adequate refrigeration.
- Garbage refrigerator.<sup>1</sup>
- Can washing facilities.
- Day storage room.
- Personnel dining space.
- Provide 12 square feet per person; may be designed for multiple seatings.
- Cafeteria or table service optional.

**Housekeeping facilities:**

Laundry; unless commercial or other laundry facilities are available, each hospital shall have a laundry of sufficient capacity to process full 7 days' laundry in work week and contain the following areas:

- Sorting area.
- Processing area.
- Clean linen and sewing room separate from laundry.
- Sewing room may be included in clean linen room in hospitals up to and including 100 beds.
- Where no laundry is provided in the hospital, a soiled linen room and a clean linen and sewing room shall be provided.

Housekeeper's office: May be combined with clean linen room in hospitals up to 100 beds.

**Mechanical facilities:**

- Boiler and pump room.
- Shower and locker facilities.<sup>1</sup>
- Engineers' space.
- Maintenance shops: In hospitals up to and including 100 beds at least one room shall be provided.<sup>1</sup> In larger hospitals separation of carpentry, painting and plumbing should be provided.
- For minimum requirements for mechanical and electrical work see the respective sections.

**Employees' facilities:**

- Nurses' locker room without nurses' residence:
- Locker room: one locker for each two hospital beds.<sup>1</sup>
- Rest room.
- Toilet and shower room.
- Nurses' locker room with nurses' residence adjacent:
- Rest room.
- Lockers as required.
- Toilet room.
- Female help lockers:
- Locker room.
- Rest room.
- Toilet and shower room.
- Male help lockers:
- Locker room.
- Toilet and shower room.
- Ratio of male and female help will vary and size of locker rooms must be adjusted accordingly.

**Storage:**

- Inactive record storage.
- General storage: 20 square feet per bed and to be concentrated in one area insofar as possible. Mechanical maintenance storage may be in a separate area.

**Out-Patient Department**

(If survey indicated that the out-patient department is unnecessary it may be omitted)

**General:**

Out-patient department should be located on the most easily accessible floor. It should have convenient access to radiology, pharmacy, laboratory, and physical therapy.

<sup>1</sup> Desirable but not mandatory.

The size will vary in different locations and is not necessarily proportional to the size of the hospital. The patient load must be estimated to determine the number of rooms required.

An out-patient department may be combined with the public health center clinics if the health center is a part of the hospital.

#### Administrative:

Waiting space with public toilets.  
Appointment and cashiers' office.  
Social service office.

#### Clinical:

History or screening room.  
Examination and treatment rooms:  
Eye, ear, nose, and throat room.<sup>1</sup>  
Dental facilities (2 chairs desirable)<sup>1</sup>  
Utility room.

#### Contagious Disease Nursing Unit<sup>1</sup>

Where 10 or more beds are contemplated for nursing contagious diseases, they should be housed in a separate contagious disease nursing unit.

#### Patient rooms:

A maximum of 2 beds in each room.  
Glazed partition between beds.<sup>1</sup>  
Patient rooms shall have a view window from corridor.  
Each patient room shall have a separate toilet and a lavatory in the room.  
Each nursing unit shall contain:  
Nurses' station.  
Utility room.  
Nurses' work room.  
Treatment room.  
Scrub sinks strategically located in the corridor.  
Serving pantry with separated dishwashing room adjacent.  
Doctors' locker space and gown room.  
Nurses' locker space and gown room.  
Janitors' closet.  
Storage closet.  
Stretcher alcove.<sup>1</sup>

#### Pediatric Nursing Service<sup>1</sup>

Where 16 or more pediatric beds are contemplated, a separate pediatric nursing unit shall be provided and contain the following items:

#### General:

Each bed in a multi-bedroom shall be in a clear glazed cubicle.<sup>1</sup>  
Each room shall have a lavatory.  
Patients' rooms wherever possible should have clear glazing between them and in the corridor partitions.

#### Minimum area:

80 square feet per bed in two-bed rooms and over.  
100 square feet in single rooms.  
40 square feet per bassinet in nurseries.

#### Each nursing unit shall contain:

Nursery with bassinets in cubicles.  
Isolation suite.  
Treatment room.  
Nurses' station: with adjoining toilet room.  
Utility room.  
Floor pantry.  
Play room or solarium.  
Bath and toilet room: with raised free-standing tub and 50% children's fixtures.  
Bed pan facilities.  
Wheelchair and stretcher alcove.<sup>1</sup>  
Janitors' closet.  
Storage closet.

#### Psychiatric Nursing Unit in the General Hospital<sup>1</sup>

General: Layout and design of details to be such that the patient will be under close observation and will not be afforded opportunity for escape, suicide, hiding, etc. Care must be taken to avoid sharp projections of corners of structure, exposed pipes, heating elements, fixtures, etc., to prevent injury by accident.

#### Minimum room areas:

80 square feet per bed in 4-bed rooms.  
100 square feet in single rooms.  
40 to 50 square feet per patient in day rooms.

#### Each nursing unit shall contain:

Doctors' office.  
Examination room.  
Nurses' station.  
Day room.  
Utility room.  
Bedpan facilities.  
Pantry.  
Dining room.  
Toilet room.  
Shower and bathroom.  
Continuous tub room (for disturbed patients).  
Patients' laundry (personal) for women's wards only.  
Patients' locker room.  
Storage closet (for recreational and occupational therapy).  
Stretcher closet.  
Linen closet.  
Supply closet.  
Janitors' closet.

#### (B-2). Tuberculosis hospital.

##### Administration Department

#### From 50 up to and including 200 beds:

Business office with information counter.<sup>2</sup>  
Medical social service office.<sup>2</sup>  
Medical director's office.  
Secretary's office.<sup>2</sup>  
Supervisor's office.  
Medical record and film filing room.<sup>2</sup>  
Viewing room, library<sup>2</sup> and conference room. Singly or in combination.  
Lobby and waiting room.  
Retiring room.<sup>1</sup>  
Toilets.

#### Over 200 and up to 500 beds:

Business office and information counter.<sup>2</sup>  
Business manager's office.<sup>2</sup>  
Secretary.<sup>2</sup>  
Admitting office.<sup>2</sup>  
Two medical social service offices.<sup>2</sup>  
Medical director's office.  
Secretary.  
Assistant medical director's office.  
Supervisor's office.  
Secretary.  
Assistant director of nurses' office.  
Medical record room.<sup>2</sup>  
Library<sup>2</sup> and conference room.  
Staff lounge and locker room.  
Lobby and waiting room.  
Retiring room.<sup>1</sup>  
Toilets.

#### Adjunct Diagnostic and Treatment Facilities

Except for the morgue and autopsy this department should be preferably located convenient to both in- and out-patients.

#### Laboratory<sup>1</sup>

Adequate facilities for chemical, bacteriological, serological, pathological and hematological services.

#### Basal metabolism and electrocardiography<sup>1</sup>

One room near the laboratory.

#### Morgue and autopsy<sup>1</sup>

From 50 up to and including 200 beds:<sup>2</sup>  
combination morgue and autopsy room with mortuary refrigerator.

#### Over 200 and up to 500 beds:

Morgue with mortuary refrigerator.  
Autopsy room.  
Shower and toilet room.  
Separate exit.

#### Radiology<sup>1</sup>

#### From 50 up to and including 200 beds:<sup>2</sup>

Radiographic room.  
Dark room.  
Dressing booths.

<sup>1</sup> These facilities need not be provided if the Tuberculosis Hospital is in connection with a general hospital in which such facilities exist.

Must be convenient to out-patient department as well as in-patients.

#### Over 200 and up to 500 beds:

Radiographic room.  
Dark room.  
Dressing booths.  
Viewing room.  
Roentgenologist's office.  
Film file room.

Must be convenient to out-patient department as well as in-patients.

#### Pharmacy<sup>1</sup>

From 50 up to and including 200 beds:<sup>2</sup>  
Drug room with minimum facilities for mixing.

Over 200 and up to 500 beds: Complete pharmacy and may include space for manufacturing and solution preparation depending on policy of hospital.

#### Dental and eye, ear, nose, and throat:

From 50 up to and including 200 beds:  
Dental facilities (2 chairs desirable)<sup>2</sup>  
One eye, ear, nose, and throat room.<sup>2</sup>

#### Over 200 and up to 500 beds:

Dental facilities (2 chairs desirable).  
Eye, ear, nose, and throat room.  
Waiting room.

#### Occupational therapy<sup>1</sup>

Library.  
Barber shop.  
Canteen.  
Assembly room.  
Flexible space for learning and working in crafts and classroom for patient instruction shall be provided.

#### Nursing Department

General: At least 30 percent of the hospital beds shall be in single rooms.<sup>1</sup> No room shall have more than four beds.<sup>1</sup> Each room shall have a lavatory. No patients' bedrooms shall be located on any floor which is below grade.

Size of nursing unit: No nursing unit shall be larger than 50 beds.

#### Minimum room areas:

80 square feet per bed in two- and four-bed rooms.

100 square feet in one-bed rooms.

#### Service rooms in each nursing unit:

Nurses' station.  
Utility room.  
Floor pantry (one per floor).  
Toilet and washroom:  
Water closets—1 to each 8 patients.  
Lavatories.  
Dental basins.<sup>1</sup>

Storage closet for supplies.

Bath and shower room:

Bath tubs and/or showers—1 to 14 patients.

Gowning space.

Bed pan facilities.

Linen closet.

Janitors' closet.

Space for wheel chairs and stretchers.<sup>1</sup>

Storage closet for equipment.

Doctors' office and treatment room—one for each nursing unit.

Solarium: One for each nursing unit.

Sputum technique facilities.

Nurses' toilet room: One for each nursing floor.

Nurses' cloak closet—one for each nursing floor.

#### Surgical Department

(Shall be located to prevent traffic through it to any other part of the hospital)

#### From 50 up to and including 200 beds:<sup>2</sup>

Major operating room.  
Sterilizing room.  
Central supply and work room.  
Scrub-up facilities.  
Clean-up room.  
Storage closet.  
Janitors' closet.

Doctors' locker room with toilet and showers.

Nurses' locker room with toilet and showers.

<sup>1</sup> Desirable but not mandatory.

Over 200 and up to 500 beds:  
 Major operating room. One for each 200 beds or major fraction thereof.  
 Minor operating and fracture room.  
 Sub-sterilizing facilities.  
 Clean-up room.  
 Scrub-up facilities.  
 Janitors' closet.  
 Storage room for sterile supplies.  
 Anesthesia storage.  
 Surgical supervisor office.  
 Doctors' locker room with toilet and shower.  
 Nurses' locker room with toilet and shower.  
 Storage closet.  
 Stretcher alcove.  
 Central sterilizing and supply room<sup>1</sup> divided into work space, sterilizing space, and sterile storage space.  
 Adjacent room for storage of unsterile supplies.  
**Pneumothorax suite:**  
 Pneumothorax room with dressing booths.  
 Fluoroscopy room.  
 Waiting space.  
 From 50 up to and including 200 beds:  
 One pneumothorax suite for 100 beds or major fraction thereof.  
 Over 200 and up to 500 beds: One pneumothorax suite for 100 beds or major fraction thereof.

#### Service Department

**Dietary facilities:**  
 Main kitchen and bakery.<sup>1</sup>  
 Dietitian's office and special diets kitchen.<sup>2</sup>  
 Patients' dishwashing room.  
 Staff and help dishwashing room.<sup>2</sup>  
 Adequate refrigeration.<sup>2</sup>  
 Garbage refrigerator.<sup>1</sup>  
 Can washing room.  
 Day storage room.<sup>2</sup>  
 Help dining room.<sup>2</sup>  
 Staff dining room.<sup>2</sup>  
 Patients' dining space—to serve 40 percent of the patients.<sup>1</sup>  
 Provide 12 square feet per person in dining rooms. May be designed for two seatings. Cafeteria or table service optional.  
**Housekeeping facilities:**  
 Laundry.<sup>2</sup>  
 Sorting area.  
 Processing area.  
 Clean linen room.  
 Sewing room.  
 Laundry capacity shall be adequate to process full 7 days laundry in workweek.  
 Housekeeper's office.  
 Incinerator.  
**Mechanical facilities:**<sup>2</sup>  
 Boiler and pump room.  
 Engineers' office.  
 Shower and locker facilities.  
 Maintenance shops:  
 Carpentry.  
 Painting.  
 Plumbing.  
 For minimum requirements for mechanical and electrical work, see the respective sections.  
**Employees' facilities:**<sup>2</sup>  
 Nurses' locker room without nurses' residence:  
 Locker room with lockers as required.  
 Rest room.  
 Toilet and shower room.  
 Where nurses' residence is adjacent provide only rest room and toilet.  
 Female help locker room:  
 Locker room.  
 Rest room.  
 Toilet and shower room.  
 Male help locker room:  
 Locker room.  
 Rest room.  
 Toilet and shower room.

**Storage:**<sup>2</sup>  
 General storage. Provide 20 square feet per bed, preferably concentrated in one area.  
 Record storage.  
**Out-patient department:**<sup>2</sup>  
 Out-patient department should be located on most easily accessible floor. Must be convenient to radiology, pharmacy, and laboratory departments.  
 Size will vary in different locations and with the availability of other examination and diagnostic facilities, and is not necessarily proportionate to the size of the hospital. The estimated patient load will determine the number, size, and scope of individual facilities in out-patient department.  
**Facilities required:**  
**Administrative:**  
 Waiting room with public toilets.  
 Information, appointment and records office.  
 Medical social service office.  
 Janitors' closet.  
**Clinical:**  
 History or screening room.  
 Examination rooms.  
 Dressing booths.  
 Pneumothorax room.  
 Fluoroscopy room.  
 Utility room.  
 Storage room.

(B-3). *Mental hospital—General.* A mental hospital should be on a large acreage with ample space around all buildings for recreation, attractive landscaping and the proper segregation of the various patient classification groups and building functions; and should be readily accessible to the community which it is to serve. It is strongly urged that mental hospitals be not greater than 1,500 beds.

The mental hospital presents a special problem of patient classification, treatment and supervisory function. In the following minimum requirements an over-all organization is designated with certain supervisory or organizational functions mentioned in their most desirable, but not mandatory, locations<sup>6</sup> and these may, therefore, be changed to other locations.

Patients have been classified and grouped according to behavior, and requirements vary somewhat for each classification. Minimum room area requirements are grouped into the following main categories, as follows:

A. Medical and surgical, and chronic disease classification: 70 square feet per bed in alcoves and four-bed rooms; 100 square feet in single rooms.

B. Tuberculosis classification: 70 square feet per bed in alcoves and four-bed rooms; 100 square feet in single rooms.

C. Reception, convalescent, chronic disturbed, industrial classifications: 70 square feet per bed in alcoves and four- (or more) bed rooms; 80 square feet in single rooms.

D. Infirm and inactive: 60 square feet per bed in four- (or more) bed rooms; 80 square feet in single rooms.

No patient bedrooms shall be located on any floor which is below grade.

**Administration.** This area includes the administrative, business, and public contact functions of the institution.

**Location:** Near main entrance to institution and close to reception area.

#### General:

Entrance lobby.  
 Public toilets (male and female).  
 Information and telephones (main switch-board).  
 Post office.  
 Personnel toilets (male and female).  
 Mechanical room.

#### Offices:

Director.  
 Assistant director.  
 Conference room.

Business administrator.  
 Business.  
 Public relations and services.  
 Secretaries.  
 Janitors' closet.  
 Medical.  
 Central records office.  
 Central records room.  
 Inactive records storage.

**Reception.** This area includes the reception and treatment of new patients, most of whom will be entering a mental hospital for the first time. Since they are new patients, and in need of very careful treatment, it is necessary to separate and prohibit contact between patients in the following classifications of behavior:

Quiet.  
 Depressed.  
 Disturbed.

In addition, each of the above classifications should be separated by sexes, and each classification should have its own complete Nursing Units with all nursing facilities available, and each should be readily accessible to an outdoor area. All safety and security measures should be observed in this group. Intensive care and treatment will be given these new patients in an effort to cure them in the first few weeks of treatment. Should the patient fail to recover in this comparatively short period of time he will be sent to other Nursing Areas for continued treatment. Three other Nursing Areas will be classified according to the behavior of the patients which they are to house.

The Reception Area should be set well apart from the other areas of the hospital, and should contain sufficient diagnostic, treatment, recreational and occupational facilities, to furnish complete treatment in order that these new patients may recover without having been transferred to the other areas of the Mental Hospital.

The number of beds required in this Reception Area must be determined by study of the total Receiving and Intensive Treatment Facilities in the community which is served. The total number of beds in this and the convalescent area should be in accord with the admissions within a three- to six-month period.

**Location:** Near administration area.

#### General:

Lobby.  
 Visitors' toilets (male and female).  
 Main visitors room with alcoves.  
 Janitors' closets.  
 Mechanical room.  
**Administration:**  
 Medical records office.  
 Information.  
 Chief psychiatrist's office and conference room.  
 Secretaries' offices.  
 Clinical psychologist's office.  
 Chief of nursing service and staff.  
 Chief of social service and offices.  
 Personnel toilets (male and female).

#### Staff facilities:

Doctors' toilet room.  
 Nurses' lounge and toilet room.

#### Admission:

Ambulance entrance.  
 Patients' bath and toilet.<sup>1</sup>  
 Utility room.<sup>1</sup>  
 Examination and consultation rooms.  
 Adjunct diagnostic and treatment facilities:  
 Minor surgery and treatment room.  
 Portable X-ray storage room.<sup>1</sup>  
 Dark room.<sup>1</sup>  
 Small laboratory.<sup>1</sup>  
 Patients' toilet and shower.  
 Small treatment room (for shock therapy, etc.).  
 Patients' exercise room (directly accessible to outdoor exercise yard).  
**Occupational therapy:**  
 Occupational therapy room (to be located near quiet patient units).  
 Storage closets.

<sup>1</sup> Desirable but not mandatory.

<sup>2</sup> These facilities need not be provided if the Tuberculosis Hospital is in connection with a general hospital in which such facilities exist.



Occupational therapists' office.<sup>1</sup>

Barber and beauty shop.

**Nursing units:** The following classifications of nursing units of not more than 25 beds will be required:

Quiet nursing units (male and female).

Depressed nursing units (male and female).

Disturbed nursing units (male and female).

For small reception facilities a combination of patient classifications may be provided in one nursing unit of not more than 25 beds provided that contact between the patients of each classification may be prohibited or limited.

**Suggested bed distribution of nursing units:**

Each disturbed nursing unit:	Patients
Two 4-bed wards.....	8
Three 2-bed or 3-bed wards.....	6 or 9
Four or six 1-bed rooms.....	4 or 6
Two 1-bed rooms (isolation unit) <sup>1</sup> .....	2
<b>Total.....</b>	<b>20 to 25</b>

Each depressed nursing unit:	Patients
Two 4-bed wards.....	8
Two 3-bed alcoves.....	6
Four 1-bed rooms.....	4
(isolation unit) <sup>1</sup> .....	2
<b>Total.....</b>	<b>20</b>

**Quiet unit:** Same bed distribution as disturbed nursing units.

**Facilities in each nursing unit:**

Doctor's consultation room (for each two units)

Examination room.

Nurses' station.

Utility room.

Bed pan facilities.

Small dining room and pantry.

Essential for disturbed.

Convenient for depressed.

Unnecessary for quiet.

Patients' locker room.

Linen closet.

Patients' shower and bath room.

Patients' dressing room.

Patients' toilets.

Patients' wash room.

Continuous tub room (for disturbed units).

Day room (40 to 50 square feet per patient and preferably divided into one small and one large room).

Occupational therapy storage closet.

Janitors' closet.

**Dietary:**

Patients' dining room cafeteria service: this dining room will be used by patients from convalescent houses as well as from reception area (two seatings may be used).

Janitors' closet.

Coat room and toilets (male and female)<sup>1</sup>

Kitchen (serving).

Dishwashing room (enclosed).

Employees' toilet.

Patients' toilet (male and female).

Refrigerated garbage storage.

Can washing room.

**Convalescent.** This area is considered a part of the reception area and will house new patients who have been sent from the reception building, and who are expected to recover within six months to a year. Most of these patients will have the same classification as those in the reception area. Small complete nursing units, separate for each sex, should be provided. Special treatment, such as mechanical fever, electric shock, special electro and hydro therapy, and insulin, etc., can be given in the reception building.

These patients will also use the dining room facilities of the reception area.

<sup>1</sup>Desirable but not mandatory.

In general, while most of these patients are continuing to receive intensive treatment, they are well enough and manageable enough to go freely or be escorted to their activities.

The same security and safety measures are required as those for the reception area.

**Location.** Grouped by sexes near reception area.

**General:**

Entrance lobby.

Visitors' room with alcoves.

Visitors' toilets (male and female).

Attendants' locker and toilet room.

Mechanical room.

Nursing units (to contain not more than 50 beds)

**Suggested bed distribution of each nursing unit:**

	Patients
One 8-bed ward.....	8
Four 4-bed wards.....	16
Eleven 1-bed wards.....	11
<b>Total.....</b>	<b>35</b>

**Facilities in each nursing unit:**

Doctors' consultation room (for each two units)

Examination room.

Nurses' station.

Utility room.

Bed pan facilities.

Pantry (one for each two nursing units).

Patients' locker.

Patients' toilet room.

Patients' shower or bath room.

Day room (40 to 50 square feet per patient—preferably divided into one large and one small room)

Storage closet (occupational and recreational therapy equipment).

Linen closet.

Janitors' closet.

Patients' wash room.

One-third of the nursing units, for both men and women should have one continuous tub room.<sup>1</sup>

**Chronic disturbed.** This area should be separate from the main group of mental hospital facilities and set apart from the Nursing Areas of other patient classifications because of possible noise or other disturbance. It will be used to treat restless, noisy, assaultive or suicidal patients and must be designed to provide the greatest security and observation. Since these patients are very active it is necessary to have an outdoor area or exercise yard, and due to the amount of equipment and care these patients require, and the resulting necessary space for treatment, not less than two Nursing Units to a building are recommended.

**Location.** These buildings to be located away from the other Nursing buildings.

**General:**

Entrance lobby.

Visitors' room.

Visitors' toilets (male and female).

Beauty shop (female buildings).

Barber shop (male buildings).

Attendants' locker and toilet room.

Pantry (for two nursing units).

Mechanical room.

Enclosed exercise yard (100 square feet per patient).

**Treatment facilities:**

Hydrotherapist's office and toilet.

Continuous tub room.

Linen closet.

Patients' dressing room.

Janitors' closet.

Exercise room (near outdoor exercise yard).

Storage closet (for small gymnasium equipment).

**Nursing units** (to contain not more than 30 beds)

**Suggested bed distribution of each unit:**

	Patients
One 8-bed ward.....	8
Two 4-bed wards.....	8
Ten 1-bed rooms.....	10
<b>Total.....</b>	<b>26</b>

**Facilities in each nursing unit:**

Doctors' office with toilet (for each two units)

Examination room.

Nurses' station.

Utility room.

Patients' locker room.

Patients' toilet room.

Patients' wash room.

Patients' shower and dressing room.

Day room (40 to 50 square feet per patient) Preferably divided into (1) small room and (1) large room.

Storage closet (recreational equipment). Occupational therapy room (one for each two units).

Linen closet.

Janitors' closet.

**Dietary:**

Dining room—cafeteria service.

Serving kitchen.

Dishwashing room.

Employees' toilet.

Janitors' closet.

**Infirm.** This area will house patients who are in need of considerable medical care and who may be infirm. The very sick will be transferred to the medical and surgical or chronic disease building, but these infirm patients will need constant and careful nursing. Minimum security and all safety measures will be required, and the nursing units should be complete with all facilities available and readily accessible to an out-door yard or area.

**Location:** Close to medical and surgical building.

**General.**

Entrance lobby.

Visitors' room.

Visitor's toilets (male and female).

Barber shop (male buildings)<sup>1</sup>

Beauty shop (female buildings)<sup>1</sup>

Attendants' locker and toilet room (male and female).

Mechanical room.

Enclosed yard (40 square feet per patient)<sup>1</sup>

**Nursing units** (to contain not more than 60 beds). **Suggested bed distribution for each unit:**

	Patients
Two 10-bed wards.....	20
Four 4-bed wards.....	16
Four 1-bed rooms.....	4
<b>Total.....</b>	<b>40</b>

**Facilities in each nursing unit:**

Doctors' office (for each 3 units).

Examination room.

Nurses' station.

Utility room.

Bed pan facilities.

Pantry and dining room (one for each two units).

Patients' locker room.

Patients' wash room.

Patients' toilet room.

Patients' dressing room.

Patients' shower or bath room.

Day room (30 square feet per patient).

Storage closet (for recreational and occupational therapy equipment).

Linen closet.

Wheel chair and stretcher closet.

Janitors' closet.

**Dietary:**

Serving kitchen.

Dishwashing room.

Employees' toilet.

Janitors' closet.

**Inactive.** This area will house patients who are lethargic. They need a considerable amount of attention, most of which will be furnished by the physical therapist and occupational therapist. They will be urged into activities furnished in the occupational and recreational therapy buildings, but some of the lighter occupational and physical therapy should be provided in this area. All security and safety measures will be required.

**Location:** In main group of nursing buildings and near gymnasium and recreation buildings.

**General:**

Entrance lobby.  
Visitors' room.  
Visitors' toilets (male and female)  
Occupational therapy room.  
Attendants' locker and toilet room.  
Mechanical room.  
Enclosed yard (100 square feet per patient)<sup>1</sup>

**Nursing units** (to contain not more than 50 beds) suggested bed distribution (of each unit)

	<i>Patients</i>
Three 10-bed wards.....	30
Two 4-bed wards.....	8
Four 1-bed rooms.....	4
Total .....	42

**Facilities in each nursing unit:**

Doctors' office (for each 3 units).  
Examination room.  
Nurses' station.  
Utility room.  
Bedpan facilities.  
Pantry (for each 2 units).  
Patients' locker room.  
Patients' wash room.  
Patients' toilet room.  
Patients' shower or bath room.  
Patients' dressing room.  
Day room (40 to 50 square feet per patient and preferably divided into one small and one large room)  
Storage closet (for recreational and occupational therapy equipment).  
Linen closet.  
Janitors' closet.  
**Dietary:**  
Dining room.  
Serving kitchen.  
Dishwashing room.  
Employees' toilet.  
Janitors' closet.

**Industrial.** This area will house patients who are well enough to be occupied on the grounds, farm, industrial buildings, shops, kitchens, laundry, etc. Less supervision and care is necessary than in the other groups, and these patients can go to the out-patient department of the medical and surgical building for examination and treatment.

**Location:** In main group of nursing buildings near service buildings.

**General:**

Entrance lobby.  
Visitors' room.  
Visitors' toilets (male and female)  
Attendants' locker and toilet room.  
Mechanical room.

**Nursing units** (to contain not more than 60 beds) suggested bed distribution:

	<i>Patients</i>
Two 16-bed wards.....	32
Two 8-bed wards.....	16
Four 1-bed rooms.....	4
Total.....	52

**Facilities in each nursing unit:**

Doctors' office and examination room—one for each 3 units.  
Nurses' station.  
Patients' toilet.  
Patients' dressing room.

Patients' shower room.

Patients' locker room.

Patients' wash room.

Day room (40 to 50 square feet per patient) preferably divided into one small and one large room.

Storage closet (for recreation equipment)

Linen closet.

Janitors' closet.

**Medical and surgical.** This area will house patients who have been hospitalized from Nursing Units of other classifications for short periods of illnesses, and should be housed in a modern general hospital complete with all facilities to serve the entire mental hospital community. Nursing Units should be arranged for easy segregation of patients and the Adjunct Diagnostic and Treatment facilities are recommended to be on the first or ground floor for easy access to the out-patient department. All security and safety measures should be incorporated in this building. The number of beds shall be approximately 4 percent of the total patients which this building serves.

**Location:** Between main group of nursing area and reception area.

**General:**

Entrance lobby.  
Information counter.  
Visitors' toilets (male and female).  
Mechanical room.

**Administration.**

Chief physician's office.  
Medical record room.  
Head nurse's office.  
Secretaries' offices.  
Personnel toilets (male and female).

**Staff facilities:**

Doctors' locker and shower room.  
Nurses' locker and shower room.

**Adjunct diagnostic and treatment facilities:**

Laboratory: Separate spaces for office, clinical pathology, bacteriology and serology, washing and sterilizing.  
Basal metabolism and electrocardiography: Near laboratory and convenient to out-patient department.  
Morgue and autopsy room:<sup>1</sup> Combination morgue and autopsy with mortuary refrigerator.  
Radiology:

Radiographic room with an adjoining dark room and office.  
X-ray therapy suite.<sup>1</sup>

Physical therapy: Suite for electro-therapy, hydro-therapy, and exercise room with adjoining office.

Pharmacy: Drug room with minimum facilities for mixing. (May be in service area)

**Nursing units** (to contain not more than 30 beds) suggested bed distributions:

	<i>Patients</i>
Two 4-bed wards.....	8
Three 2-bed rooms.....	6
Nine 1-bed rooms.....	9
Isolation suite .....	2
Total.....	25

Surgical wards (25 beds each), same as medical wards.

Employees' wards:<sup>1</sup> Maximum size, 25 to 30 beds.

**NOTE:** Where isolation suite or contagious disease nursing unit is available the small units in each nursing unit are not required.

**Facilities in each nursing unit:**

Doctors' examination room (one for each two nursing units).  
Nurses' station.  
Utility room.  
Bed pan facilities.  
Pantry (one for each two nursing units).  
Patients' bath and shower room.  
Supply closet.  
Patients' toilet room (male and female).

Day room (approximately 25 square feet per patient). Omit for employees' wards.

Storage closet (recreational and occupational therapy equipment)

Stretcher and wheel chair closet.

Linen closet.

Janitors' closet.

**Surgical department:** Should be located to prevent traffic through it to any other part of hospital.

**Operating rooms:**

Major: One for each 50 beds up to and including 200 beds. Above 200 beds the number of operating rooms will be based on the expected average of daily operations.

Minor: One in each hospital over 50 beds. Cystoscopy: <sup>1</sup> One in each hospital over 100 beds. Shall have an adjoining toilet room.

Fracture room: One in each hospital over 100 beds. Shall have an adjoining splint room.

**Auxiliary rooms:**

Substerilizing facilities.  
Scrub-up facilities.  
Nurses' locker room with toilet and shower.  
Instrument room beginning at 100 beds.  
Clean-up room.  
Anesthesia equipment storage.  
Surgical supervisor's station.  
Doctors' locker room with toilet and shower.

Storage closet.

Stretcher closet.

Storage room for sterile supplies beginning at 100 beds.

Janitors' closet.

Dark room beginning at 100 beds.

**Central sterilizing and supply room:**

Divided into work space, sterilizing space, and sterile storage space.

Adjacent room for storage of unsterile supplies.

**Emergency department:**

Ambulance entrance.  
Receiving bath and toilet.  
Utility room.  
Supply and stretcher storage.  
Emergency operating room, near out-patient department.

**Service department:**

Kitchen (serving).  
Dishwashing room.  
Refrigerated garbage room.  
Can washing room.  
Dining rooms (for 1/3 of patients).  
Storage.  
General storage (20 square feet per bed)  
Housekeepers' office.  
Linen storage room.  
Sewing room.  
Linen sorting room.  
Personnel facilities:

Locker and toilet rooms (male and female).

Attendants' locker and toilet rooms (male and female)

**Out-patient department:**

Waiting room.  
Examination and treatment rooms (including eye, ear, nose and throat rooms and gynecology room<sup>1</sup>).

Record room.

Dental facilities (2 chairs desirable)

Electroencephalographic unit.

**NOTE:** Out-patient department should be convenient to radiology, laboratory, therapy, emergency, etc.

**Chronic disease.** This area will house patients who have chronic illness, or who are in need of intensive treatment and nursing care or those who, because of infectious diseases, need to be isolated.

Nursing Units of this classification should be attached to the Medical and Surgical building for easy access to the Diagnostic and Treatment facilities.

Not all of these Nursing Units need have maximum safety and security measures.

<sup>1</sup> Desirable but not mandatory.

The number of beds shall be approximately 7.5 percent of the total number of patients which these buildings serve.

Location: Attached to medical and surgical building.

General: Corridors to service department and adjunct facilities.

Nursing units (to contain not more than 30 beds) suggested bed distribution (of each nursing unit)

	Patients
Two 4-bed wards.....	8
Three 2-bed wards.....	6
Eight 1-bed rooms.....	8
Total.....	22

Facilities in each nursing unit:

Doctors' office (for each 2 units).  
Examination room.  
Nurses' station.  
Utility room.  
Bed pan facilities.  
Pantry (for each 2 nursing units).  
Dining room (for ½ of patients in nursing unit).  
Patients' locker room.  
Patients' wash room.  
Patients' toilet.  
Patients' dressing room.  
Patients' shower or bath room.  
Day room (30 square feet per patient).  
Closet (recreational and occupational therapy equipment).  
Stretcher and wheel chair closet.  
Linen closet.  
Janitors' closet.

**Tuberculosis.** For patients of this classification, it is recommended to use the requirements of the tuberculosis hospital. In addition, patients will be grouped according to behavior as Quiet or Disturbed. Security and safety measures comparable to those of the Reception Area are required.

The number of beds shall be determined as approximately 5 percent of the total patients which this building serves.

*Gymnasium, Theater Recreation, Library and Chapel*

(Combination or separate buildings acceptable)

Location: Adjacent to main group of nursing and reception areas.

General:  
Entrance lobby.  
Coat rooms and toilets (male and female).  
Personnel toilets (male and female).  
Mechanical room.

Theater facilities:  
Office.  
Hall (seating capacity based on 7 square feet per person with 40 percent attendance of patients and personnel).  
Projection booth.  
Stage.  
Dressing rooms with toilets (two for each sex).  
Work shop.

Chapel facilities:  
Three offices for ecclesiastics.  
Toilets.  
Three small prayer rooms.  
Portable altars (where chapel is not separate).  
Storage rooms.

Gymnasium facilities:  
Recreational therapists' office.  
Personnel locker and toilet rooms (male and female).  
Patients' locker and toilet rooms (male and female).  
Basketball court (standard college size plus space for collapsible seating).  
Small gymnasium (for exercise equipment).  
Storage rooms.

Recreation facilities:  
Chief recreational therapist's office.  
Bowling alleys (with space for spectators).  
Billiard room.

Ping pong room.  
Patients' barber shop.  
Patients' beauty shop.  
Canteen (for light lunch, drinks, etc.)  
Office and table areas.  
Cooking and fountain areas.  
Dishwashing and sterilizing.  
Storage.  
Garbage refrigeration.<sup>1</sup>  
Can washing facilities.  
Sales rooms.  
Storage room.  
Library.  
Librarians' office.  
Reading room (current and request material).  
Stock room.  
Work room and storage space.  
Music rooms:  
Music therapists' office.  
Music room (approximately 500 square feet with portable stage).  
Store rooms.  
Music rooms (approximately 250 square feet).

#### Occupational Therapy

Location: Adjacent to main group of nursing areas and reception area.

General:  
Entrance lobby.  
Patient coat room and toilets (male and female).  
Personnel coat room and toilets (male and female).  
Mechanical room.  
Administration. Office for occupational therapist.  
Facilities:  
Open floor space (for occupational equipment).  
One or more special purpose rooms.  
Storage rooms (for materials and equipment).  
Industrial therapy occupations should be located near the service group of buildings.

#### Central Kitchen and Dining Rooms

Location: In main group of nursing buildings.

General: Load on dining rooms, kitchens and preparation will vary; see requirements of each.

Men patients' coat room and toilet.<sup>1</sup>  
Women patients' coat room and toilet.<sup>1</sup>  
Men attendants' coat room and toilet.  
Women's attendants' coat room and toilet.  
Dining rooms: Patients' and personnel (capacity 15 square feet per person).

Kitchen:  
Dietitians' office and toilet.  
Diet kitchen.  
Complete cooking and baking facilities.  
Dishwashing room.  
Preparation (meat and vegetables).  
Adequate refrigeration.  
Day storage.  
Garbage refrigeration.<sup>1</sup>  
Can washing facilities.  
Janitors' closet.  
Personnel lockers and toilets.

#### Storage Buildings

Location: In service groups of buildings.  
General: Area (20 square feet per patient).

#### Laundry

Adequate to process seven full days of laundry per work week.

Location: In service group of buildings.  
Facilities:  
Manager's office and toilet.  
Receiving room.  
Sorting area.  
Contaminated receiving room.  
Sterilizing room.  
Processing room.  
Clean linen storage.  
Sewing room.  
Personnel locker and toilet room.

<sup>1</sup> Desirable but not mandatory.

#### Heating Plant

Location: In service group of buildings.

General:  
Heating plant (to be determined by engineering studies).  
Emergency generating facility.  
Office.  
Personnel toilets.  
General repair shop.  
Carpenter shop.  
Electrical shop.  
Plumbing shop.  
Paint shop.

#### Incinerator

As required. See Mechanical Section.

(B-4). **Psychiatric hospital—General.**  
The principles of psychiatric safety shall be followed throughout. Materials and details of construction shall be such that patients will not be afforded opportunity for escape, suicide, etc. Care must be taken to avoid sharp projections of corners of structure, exposed piping, heating elements, fixtures, hardware, etc.

For requirements of sizes of doors, widths of corridors, sizes of elevators, provisions for ventilation, fire protection, etc., see sections on Details, Finishes, etc.

#### Administration Department

Up to and including 100 beds:  
Business office with information counter.  
Chief psychiatrist's office.  
Chief psychologist's office (if there is no out-patient department).  
Record office.  
Director of nurses' office.<sup>1</sup>  
Social service offices (if there is no out-patient department to be near receiving).  
Staff lounge.  
Lobby.  
Public toilets.  
From 100 to 500 beds:  
Business office.  
Chief psychiatrist's office.  
Chief psychologist's office (if there is no out-patient department).  
Social service offices (if there is no out-patient department).  
Director of nursing.  
Record room.  
Staff lounge.  
Library and conference room.  
Lobby.  
Public toilets.  
Toilets for administrative personnel.

#### Receiving Department

Facilities for male and female receiving:  
Entrance hall.  
Dressing room.  
Bath and toilet room.  
Medical examination room.  
Waiting room.  
Stretcher closet.  
Clerks' offices.  
Doctors' office.

#### Adjunct Diagnostic and Treatment Facilities

Laboratory:  
Up to and including 100 beds:  
Office.  
Laboratory.  
Over 100 beds: Separate spaces for office, clinical pathology, bacteriology, washing and sterilizing.  
Basal metabolism and electrocardiography:  
Up to and including 100 beds: No special provision necessary.  
Over 100 beds: Room near laboratory and convenient to out-patient department.  
Morgue and autopsy: Combination morgue and autopsy with mortuary refrigerator. (Is not required in hospital of less than 100 beds if similar facilities are available nearby.)  
Dental facilities (2 chairs desirable).  
Eye, ear, nose and throat suite.  
Electro-encephalographic suite.

**Radiology\***

Up to and including 100 beds: One radiographic room and dark room and convenient to out-patient department.  
Over 100 beds: At least one additional radiographic room.

**Physical therapy\***

Electro-therapy.  
Hydro-therapy with exercise space.  
Continuous tub and pack room.  
Small gymnasium, convenient to outdoor area, and to disturbed patients.

**Pharmacy\*** One room with minimum facilities for compounding.**Occupational therapy\***

Space for small woodworking tools and benches for carpentry, metal work, leatherwork, printing, weaving, rug making, etc.

Office.

Storage room.

**Surgical Department****Operating rooms:**

Major: One.  
Minor: One, with adjoining splint room.

**Auxiliary rooms:**

Sub-sterilizing facilities.  
Scrub-up facilities.  
Clean-up room.  
Anesthesia room.<sup>1</sup>  
Anesthesia storage.  
Doctors' locker room with toilet.  
Nurses' locker room with toilet.  
Storage closet.  
Stretcher closet.  
Janitors' closet.  
Storage room for sterile supplies and instruments.

Surgical department to be located to prevent traffic through it from other parts of the hospital.

Central sterilizing and supply room—divided into work space, sterilizing space, and sterile storage—adjacent room for storage of unsterile supplies.

**Nursing Department**

**General:** The layout and the design of details to be such that the patient will be under close observation and will not be afforded opportunity for escape, suicide, hiding, etc. No patients' bedrooms shall be located on any floor which is below grade. Provision shall be made for the following classifications:

New admissions (male).  
New admissions (female).  
Quiet ambulant (male).  
Quiet ambulant (female).  
Medical and surgical.  
Disturbed (male).  
Disturbed (female).  
Alcoholic (male).  
Alcoholic (female).  
Criminalistic (male).  
Criminalistic (female).  
Children.

**Minimum room areas:**

80 square feet per bed in alcoves and four-bed rooms.  
100 square feet in single rooms.  
40 to 50 square feet per patient in day rooms and preferably divided into one large and one small room.

**Facilities for each nursing unit:**

Doctors' office and examination room.  
Nurses' station and toilet.  
Day rooms.  
Utility room.  
Pantry.  
Dining room.  
Wash room and toilets.  
Patients' locker.  
Shower and bath room.  
Storage closet (for recreational and occupational therapy).  
Supply closet.  
Linen closet.

Janitors' closet.

Stretcher closet (medical and surgical unit).

Bedpan facilities (medical and surgical unit).

Isolation suite: In medical and surgical unit.

**Service Department****Dietary facilities:**

Main kitchen and bakery.  
Special diet kitchen.  
Dietitians' office.  
Dishwashing room.  
Adequate refrigerators.  
Garbage refrigerator.<sup>1</sup>  
Can washing room.  
Day storage room.  
Staff dining room (12 square feet per person).

**Housekeeping facilities:**

Laundry (if provided) Capacity shall be adequate to process full 7 days laundry in work week.

Sorting area.

Processing room.

Clean linen and sewing room separate from laundry.

Housekeeper's office: Near linen storage.

**Mechanical facilities:**

Boiler room and pump room (if provided).  
Engineers' office.  
Shower and locker room.  
Maintenance shops—carpentry, painting, mechanical repair rooms.

**Employees' facilities:**

Nurses' locker rooms. If no nurses residence:

Locker room.

Rest room.

Toilet and shower room.

Attendants' locker rooms. If no attendants residence (male and female)

Locker room.

Toilet and shower rooms.

Other female help lockers:

Locker room.

Rest room.

Toilet and shower room.

Other male help lockers:

Locker room.

Toilet and shower room.

**Storage:**

Record space.

General storage: 20 square feet per bed and to be concentrated in one area.

**Out-Patient Department (if provided)****General:**

Located on the ground floor. Entrance separate from main entrance of hospital.<sup>1</sup> It must be convenient to radiology, laboratory and physical therapy.

The patient load must be estimated in order to determine the number of consultation and examining rooms.

**Facilities required:****Administrative:**

Waiting room with public toilets.  
Cashiers' and appointment office.  
Social service offices.  
Psychological examination rooms.  
Medical examination rooms.  
Utility rooms.  
Children's rooms.

(B-5). *Chronic disease hospital.* The facilities listed below need not be provided if functionally available in an adjoining hospital.

**Administration Department**

Business office with information counter, telephone switchboard, and cashier's window.

Administrator's office.

Director of nurses' office.

Medical Director's office.

Medical record room.

Medical social service office.

Combination conference room, doctors' lounge, and staff library.

Lobby and waiting room.

Public telephone.

Public toilets.

Personnel toilets.<sup>1</sup>

**Adjunct Diagnostic and Treatment Facilities**

Except for the morgue and autopsy room, these facilities should be located convenient to both inpatients and outpatients.

**Laboratory\***

Adequate facilities for chemical, bacteriological, pathological and hematological services.

Basal metabolism and electrocardiography facilities.

Morgue and autopsy room: In Chronic Disease Hospitals of 100 beds or more. Desirable but not mandatory in Chronic Disease Hospitals of under 100 beds if such services are available locally.

**Radiology\***

Each Chronic Disease Hospital to have at least one radiographic room with toilet, adjoining dark room, film filing space and dressing facilities.

**Pharmacy\***

Drug room with minimum facilities for compounding and dispensing. Complete pharmacy may include facilities for bulk compounding and solution preparation depending on policy of hospital.

**Physical therapy\***

Examination room.

Office and work space for physical therapy staff.

Rehabilitation gymnasium for adults.<sup>2</sup>

Rehabilitation gymnasium for children if children are included in program.<sup>2</sup>

Hydrotherapy area.<sup>2</sup>

Thermotherapy and massage area.<sup>2</sup>

Storage for supplies and equipment.

Outdoor exercise area.

**Occupational therapy\***

Office and work space for occupational therapy staff.

Therapy area:

In large units space should be divided for diversified work. (Separate room for children is desirable.)

Storage for supplies and equipment.

Toilet facilities for physical therapy and occupational therapy departments.

Facilities for teaching activities of daily living.

**Speech and hearing facilities:<sup>2</sup>**

Offices for therapists and space for examination and treatment.

**Artificial appliance facilities:<sup>2</sup>**

Space for fitting and adjustment service.

**Out-patient Department**

Should be provided only if survey indicates that an Out-patient Department is needed. Should be located on the most easily accessible floor and have convenient access to radiology, pharmacy, laboratory and rehabilitation facilities.

The size will vary in different locations and is not necessarily proportional to the size of the hospital. The patient load must be estimated to determine the number and type of rooms required.

**Administration.**

Waiting space with public toilets.

Appointment and cashier's desk.

Medical social service office.

**Clinical:**

Examination and treatment rooms: Number and specialties to be determined by the character of the patient load.

Utility room.

**Nursing Department**

**General:** No patients' room shall have more than 4 beds. Six beds, not more than 3 beds deep from outside wall, will be permitted in Chronic Disease Hospitals of 100 beds or more. Not more than 2 beds per

<sup>1</sup> Desirable but not mandatory.

<sup>2</sup> If required by program.

patients' room is desirable. Each patients' room shall have a lavatory. A toilet room with lavatory accessible from adjoining patients' room is recommended. Each nursing unit shall have a separation room. No patients' rooms shall be located on any floor which is below grade.

#### Size of nursing unit:

Should not be more than 40 beds. Larger units will be permitted if additional service facilities are provided as required.

#### Minimum patients' room areas:

80 square feet per bed (100 square feet desirable) in multi-bed patients' rooms; 100 square feet per bed (125 square feet desirable) in one-bed patients' rooms.

#### Service facilities in each nursing unit:

Nurses' station.  
Nurses' toilet.  
Utility room.  
Treatment room.  
Floor pantry.

#### Solarium:

Provide 25 square feet per bed for 75 percent of beds on nursing unit.

#### Dining room.

Provide 25 square feet per bed for 75 percent of beds on nursing unit.

The percentage of the beds for which solarium and dining area must be required may be reduced depending on the type of patient to be cared for.

It is recommended that the dining and solarium areas be adjacent so that they can be combined into one room for recreational and other group activity purposes.

#### Toilet facilities:

If centralized toilets are provided, a toilet room for each sex at a ratio of 1 water closet to each 8 beds will be required. One of the water closet enclosures in each toilet room should be at least 5 feet by 6 feet to permit toilet training.

If toilets provided adjacent to patients' rooms are not large enough, a separate training toilet, at least 5 feet by 6 feet, should be provided.

#### Bedpan facilities.

#### Bathing facilities:

1 bathtub.  
1 shower. (A separate bath room for each sex, containing at least one bathtub and one shower, is recommended. A ratio of one bathtub or one shower for each 10 beds is desirable.)

#### Stretcher and wheelchair parking space.

#### Clean linen storage.

#### Equipment and supply storage.

#### Janitor's closet.

#### Patient's laundry.<sup>1</sup>

**NOTE:** It is recommended that a specially designed nursing unit, similar to that required in the section on Rehabilitation Facilities in a Hospital, be provided for rehabilitation patients in the Chronic Disease Hospital.

#### *Surgical Department*<sup>2</sup>

Shall be located to prevent traffic through it to any other part of the hospital.

#### Major operating room.

#### Scrub-up facilities.

#### Anesthesia equipment storage.

#### Clean-up room.

#### Storage closet.

#### Janitor's closet.

#### Central sterilizing and supply room.

If a surgical department is not included the central sterilizing and supply room must be provided elsewhere in the hospital.

Doctors' locker room with toilet. (Shower desirable but not mandatory.)

Nurses' locker room with toilet. (Shower desirable but not mandatory.)

<sup>1</sup> Desirable but not mandatory.

<sup>2</sup> If required by program.

#### *Dental Department*

Facilities for dental diagnosis, treatment and laboratory procedures.

#### *Service Department*

#### Dietary facilities:

Main kitchen and dieto-therapy facilities.

Dietitians' space.

Appropriate food service facilities.

Dishwashing room.

Adequate refrigeration.

Garbage disposal facilities.

Day storage room.

Personnel dining room: Provide 12 square feet per person. May be designed for multiple seating.

#### Janitor's closet.

#### Housekeeping facilities:

Laundry; unless commercial or other laundry facilities are available, each

Chronic Disease Hospital shall have a laundry of sufficient capacity to process full 7 days laundry in work week and contain the following areas:

Sorting area.

Processing area.

Clean linen and sewing room separate from laundry.

Where no laundry is provided in the hospital, a soiled linen room and a clean linen and sewing room shall be provided.

#### Housekeeper's office.

#### Mechanical facilities:

Boiler and pump room.

Desk space for engineer.

Shower and locker facilities.<sup>1</sup>

Maintenance shops: In hospitals up to and including 100 beds at least one room shall be provided. In larger hospitals separation of carpentry, painting, and plumbing should be provided.

#### Employees' facilities:

Nurses' lockers:<sup>2</sup>

Locker room: one locker for each 2 hospital beds.

Rest room.

Toilet room (Shower desirable but not mandatory.)

Female help lockers:<sup>2</sup>

Locker room.

Rest room.

Toilet room. (Shower desirable but not mandatory.)

Male help lockers:

Locker room.

Toilet room. (Shower desirable but not mandatory.)

Ratio of male and female help will vary and size of locker rooms must be adjusted accordingly.

#### Storage:

Inactive record storage.

Patients' clothes storage room.

General storage: 20 square feet per bed and to be concentrated in one area.

Storage of outdoor equipment.<sup>1</sup>

#### (B-6). Nurses' residence.

#### Rooms:

One nurse per room:<sup>1</sup>

100 square feet in single rooms.

150 square feet in double rooms.

Lavatory in each room.

Closet or wardrobe for each nurse.

No nurses' rooms shall be located on any floor which is below grade.

#### Common floor facilities:

Lounge with kitchenette to serve 30 to 60 nurses.

Laundry room with 2 trays and 2 ironing boards to serve 30 to 60 nurses.

Bath room: One shower or tub for each 6 beds.

Toilet room: One water closet for each 6 beds and 1 lavatory for each 3 water closets.

Linen closet.

Janitors' closet.

Telephone facilities.<sup>1</sup>

<sup>1</sup> May be combined.

#### General facilities:

Lobby.

Office.

Main lounge (with alcoves<sup>1</sup>).

Men's toilet (off lobby).

Storage room for trunks.

Laundry distribution room.<sup>1</sup>

Employees' toilet room.<sup>1</sup>

Boiler room (if facilities not available elsewhere).

#### (B-7). School of nursing.

#### Teaching facilities:

One science laboratory room.

One dietetics laboratory room.

One nursing arts laboratory with adequate facilities.

One classroom to accommodate approximately twice the number of students as the nursing arts laboratory.

One lecture room to accommodate total student body.

One library.

Offices: Offices for instructors.

#### General:

Storage room convenient to class rooms.

Toilet room.

Janitors' closet.

#### (B-8). Public health centers.

#### Administration:

Where health department administration personnel has no offices in health center:

Waiting room.

Public toilets.

Office for public health nurses.

Staff toilets.

Assembly space: Waiting room may be used for this purpose where health centers serve under 30,000 population.

Where health department administration offices are provided in health centers add:

Health officer's office.

Office for sanitary engineers.

Health education office.

Staff room and library. In health center for over 30,000 population.

**Clinical:** The clinical services, and extent of such services, provided in the health center will depend on the program contemplated by the health department to take care adequately of the particular needs of the population served by the health center.

#### For populations up to 30,000:

Two examination rooms for maternal and child health, V. D. and TB clinics.

Consultation room.

Utility room.

Dental room.<sup>1</sup>

For population over 30,000, if the following services are provided, they shall include areas noted as follows:

Maternal and child health:

Demonstration room.

Examining room.

Toilet.

Tuberculosis and X-ray:

X-ray room with dressing booths.

Dark room.

Consultation and viewing room.

Venereal disease:

Examination room.

Treatment room.

Consultation room.

Toilet.

#### Dental:

Dental facilities (2 chairs desirable)

Small dental laboratory.

Pharmacy Dispensing room.

#### Laboratory:

The volume and type of laboratory tests in the health center will vary with local conditions and will determine the size of the laboratory. Such factors as density of population, area to be served, type of center (municipal, county, or rural), its use as a branch of the State Laboratory and availability of other laboratory facilities must be considered.



One room is required for urinalysis, hematology, and dark field examinations for syphilis and storage of biologicals furnished by the State Health Department.

Where food control, sanitation and communicable disease work is contemplated another room shall be furnished for this purpose.

#### Service:

General storage areas:  
Bulk office and janitors' supplies.  
Bulk clinical supplies.  
Educational material.

#### Storage closets:

Office supplies.  
Medical supplies.  
Educational material.  
Janitors' closet: Centrally located.  
Heating plant.

#### (B-9). State public health laboratory.

#### Administration department:

Director's office.  
Secretary's office.  
Assistant Director's office.  
Information desk and switchboard.  
Clerical office.  
Office supply room.  
Library.  
Staff meeting room.  
Records and filing room.  
Mailing and receiving room for incoming specimens, distribution of containers and of biologicals.  
Specimen and emergency treatment room.

#### Bacteriology department:

Office.  
Water, food and milk laboratory.  
Enteric disease and agglutination laboratory.  
Tuberculosis laboratory.  
Diagnostic laboratory.  
Incubator room.  
Sterile room.  
Rabies room.  
Adequate refrigeration.

#### Syphilis serology department.

Office.  
Laboratory: Section of room separated by partitions for centrifuges and preparation of specimens.

#### Chemistry department:

Office.  
Laboratory: Facilities for water, food, drug, toxicology, and/or industrial hygiene analyses.

Instrument room: Facilities for darkening.

#### Research and investigation:

Laboratory: Complete laboratory facilities within unit.

#### Biologicals department:

Adequate refrigeration.  
Deep freeze unit.  
Room temperature storage.

#### Central services:

Culture media and reagent preparation room.  
Glassware cleaning room.  
Acid cleaning unit.  
Sterilizing room for culture media and clean glassware only.  
Supply room for storage and issue of sterile supplies, general supplies, chemicals, and glassware. Adjacent to sterilizing and glassware cleaning room.  
Bulk storage room.  
Janitor service room.  
Maintenance and utilities unit: Provisions for metal and woodwork, and glassblowing.

#### Incinerator (animal).

Animal quarters:  
Animal rooms.  
Room for cleaning and sterilizing cages.  
Preparation room for food and bedding.  
Operating and animal inoculation room.

#### Facilities for personnel:

Men's locker room with washroom and shower.  
Women's locker room with washroom and shower.  
Rest room.  
Lunch room.  
Staff toilets.

*Additional facilities.* If the following activities are included, minimum requirements will be as follows:

#### Consultation and evaluation service to local laboratories:

##### Office.

##### Laboratory.

*Manufacture of biologicals:* This department, including Blood and Blood Products, shall be adequately isolated from the other laboratories. In the case of smallpox and tetanus vaccine preparation separation may be satisfactory in the same building if a separate entrance is provided and no interior connection exists to this department. A separate mechanical ventilating system must be provided.

##### Office.

Laboratory: Cubicles for isolation work.

Culture media room.

Sterile room.

Sterilizing room.

Glasswashing room.

Adequate refrigeration.

Deep freeze unit.

Storage room, controlled temperature.

Packaging room.

#### Blood and blood products:

Laboratory: Space and equipment for processing.

Sterile room.

Office (may be shared with biologicals department).

Adequate refrigeration (may be shared with biologicals department).

Storage room (may be shared with biologicals department).

#### Pathology department: Laboratory.

Clinical laboratory department: Laboratory.

Virology department: This department shall be efficiently isolated from other laboratories including a separate mechanical ventilating system:

##### Office.

Laboratory: Cubicles for isolation work.

Sterile room.

Sterilizing room.

Inoculation and operating room.

Animal quarters:

Facilities for storage of food and bedding.

Cleaning and sterilizing of cages.

Locker room with washroom and shower.

#### (B-10). Diagnostic or Treatment Centers.

The extent of the diagnostic, treatment, and ancillary facilities will be determined by the services contemplated and the estimated patient load.

Where the facility is to be an integral part of a hospital, the requirements of Adjunct Diagnostic and Treatment Facilities and Outpatient Department of General Hospital Section B-1 shall apply.

Where a diagnostic or treatment center is not to be an integral part of a hospital, then the facilities listed below must be provided unless available for convenient use in an associated health facility.

The planning of diagnostic or treatment centers should provide for the privacy of the patient during interview, examination, and treatment.

#### Administration facilities:

Administrative, business, and receptionist space.

Medical records space.

Waiting space.

Public telephone.

Diagnostic facilities. (In certain types of specialized projects, such as mental health clinics, the need for radiological and laboratory facilities will be determined by the services contemplated.)

Radiographic room with adjoining dark room.

Utility and sterilizing facilities.

#### Laboratory.

Diagnostic and treatment facilities: If medical examination and/or treatment are to be included the following shall be added: Consultation, examination and treatment space is required by the services contemplated.

#### Service facilities:

##### Storage.

Janitor's closet.

Employees' locker facilities.

Toilet facilities.

Boiler room.

Incinerator.

Accessible parking space.<sup>1</sup>

#### (B-11) Rehabilitation Facilities.

*General:* Wherever possible rehabilitation facilities should be located on the ground floor. The evaluation and treatment facilities should be grouped to facilitate integration of the program and located for convenient access by inpatients and outpatients.

In determining the size of facilities for in and outpatient services, it should be considered that the outpatient load is usually much larger than the inpatient load.

(B-11a) *Rehabilitation Facilities (Multiple Disability) in a Hospital.* The facilities listed below which are in an existing hospital and which are conveniently located and available for use need not be provided.

#### Administration

Appointment and cashier's space.

Office for volunteer services coordinator.<sup>1</sup>

Lobby and waiting room.

Public telephone booth.

Public toilets.

Personnel toilets.<sup>1</sup>

#### Evaluation and Treatment Facilities

Conference and library room.

#### Medical facilities:

Offices, examination rooms and work space for medical personnel such as physicians and nurses.

#### Dental facilities:<sup>2</sup>

Office and work space for provision of appropriate dental treatment.

#### Physical therapy:

Office and work space for physical therapy staff.

Rehabilitation gymnasium for adults.

Rehabilitation gymnasium for children if children are included in program.<sup>1</sup>

Hydrotherapy area.

Thermotherapy and massage area.

Storage for supplies and equipment.

Outdoor exercise area.<sup>1</sup>

#### Occupational therapy:

Office and work space for occupational therapy staff.

#### Therapy area.

In large units space should be divided for diversified work (separate room for children is desirable).

Storage space for supplies and equipment.

Facilities for teaching activities of daily living.

#### Speech and hearing facilities:<sup>2</sup>

Offices for therapists and space for examination and treatment.

#### Artificial appliance facilities:

Space for fitting and adjustment service.

<sup>1</sup> Desirable but not mandatory.

<sup>2</sup> If required by program.

**Psychological facilities:**

Office and work space for psychological testing evaluation and counseling.

**Social service facilities:**

Office space for private interview and counseling.

**Vocational facilities:**

Office and work space for counseling, evaluation, prevocational programs and placement. A prevocational area is not required for facilities exclusively serving children under the age of 12.

**Special education:**

Schoolroom for children if children are included in program.

**General facilities:**

Locker, toilet and shower facilities for patients.

Clean and soiled linen facilities.

Locker and toilet facilities for female volunteers.<sup>1</sup>

Locker and toilet facilities<sup>2</sup> for male volunteers.<sup>1</sup>

**Nursing Unit for Adults<sup>1</sup>**

**General:** It is recommended that this unit be located on the ground floor near the treatment area. Approximately one-fifth of the beds should be in two-bed rooms, the remainder in four-bed rooms. Each patients' room shall have a lavatory. Generous wardrobe space for each patient should be provided in the patients' rooms. A toilet room, with lavatory, accessible from adjoining patients' rooms, is recommended. No patients' room shall be located on any floor which is below grade.

**Size of nursing unit:**

Not more than 50 beds, 35 to 40 beds recommended.

**Minimum patients' room areas:**

100 square feet per bed in multi-bed patients' rooms.

**Service facilities in each nursing unit for adults:**

Nurses' station.

Nurses' toilet.

Utility room.

Examination and treatment room.

Floor pantry.

Solarium: Provide 25 square feet per bed for 75 percent of beds on nursing unit.

Dining room: Provide 25 square feet per bed for 75 percent of beds on nursing unit.

It is recommended that the dining and solarium area be adjacent so that they can be combined into one room for recreational and other group activity purposes.

**Toilet facilities.**

If centralized-toilets are provided, a toilet room for each sex at a ratio of 1 water closet to each 5 beds will be required. One of the water closet enclosures in each toilet room should be at least 5 feet by 6 feet to permit toilet training.

If toilets provided adjacent to patients' rooms are not large enough, a separate training toilet, at least 5 feet by 6 feet, should be provided.

**Bedpan facilities.****Bathing facilities.**

1 bathroom for each sex.

1 shower to each 8 beds.

1 bathtub.

Stretcher and wheelchair parking space.

Clean linen storage.

Equipment and supply storage.

Janitor's closet.

Telephone alcove (one per floor).

Patients' laundry.<sup>1</sup>

**Nursing Unit for Children<sup>1</sup>**

**General:** It is recommended that this unit be located on the ground floor near the treatment area. No patients room should have more than 4 beds. Provide 2 two-bed rooms in each nursing unit.

Each patients' room shall have a lavatory. Generous wardrobe space for each patient should be provided in the patients' room. A toilet room, with lavatory, accessible from adjoining patients' room is recommended. No patients' room shall be located on any floor which is below grade.

**Size of nursing unit:**

Not more than 30 beds.

**Minimum room areas:**

100 square feet per bed in two-bed and four-bed rooms. 80 square feet per bed recommended for crib room if provided.

**Service facilities in each nursing unit for children:**

Nurses' station.

Nurses' toilet.

Utility room.

Examination and treatment room.

Floor pantry.

Solarium. Provide 25 square feet per bed for 75 percent of beds on nursing unit.

Dining room: Provide 25 square feet per bed for 75 percent of beds on nursing unit.

It is recommended that the dining and solarium area be adjacent so that they can be combined into one room for recreational and other group activity purposes.

**Toilet facilities.**

If centralized toilets are provided, a toilet room for each sex at a ratio of 1 water closet to each 5 beds will be required. One of the water closet enclosures in each toilet room should be at least 5 feet by 6 feet to permit toilet training.

If toilets provided adjacent to patients' rooms are not large enough a separate training toilet, at least 5 feet by 6 feet should be provided.

**Bedpan facilities:****Bathing facilities:**

1 bathroom for each sex.

1 shower to each 8 beds.

1 bathtub.

Stretcher and wheelchair parking space.

Clean linen storage.

Equipment and supply storage.

Janitor's closet.

Telephone alcove (one per floor).

**Service Department**

In general the same service facilities will be required as those noted under separate Rehabilitation Facility (Multiple Disability) for Inpatients and Outpatients except that those service facilities which are available in the adjoining hospital need not be duplicated.

(B-11, b) *Separate Rehabilitation Facility (Multiple Disability) for Inpatients and Outpatients.*

**Administration**

Business office with information counter, telephone switchboard and cashier's window.

Administrator's office.

Director of nurses' office.

Office for volunteer services coordinator.<sup>1</sup>

Case records room.

Library for staff and patients.

Lobby and waiting room.

Public telephone booth.

Public toilets.

Personnel toilets.

**Evaluation and Treatment Facilities**

Clinical laboratory.<sup>2</sup>

Radiology.<sup>2</sup> Radiographic room with adjoining dark room, toilet and office.

Pharmacy.<sup>2</sup> Drug room with minimum facilities for compounding.

Conference and library room.

**Medical facilities:**

Offices, examination rooms and work space for medical personnel such as physicians and nurses.

Dental facilities:<sup>2</sup> Office and work space for provision of appropriate dental treatment.

**Physical therapy<sup>2</sup>**

Office and work space for physical therapy staff.

Rehabilitation gymnasium for adults.

Rehabilitation gymnasium for children if children are included in program.<sup>1</sup>

Hydrotherapy area.

Thermotherapy and massage area.

Storage for supplies and equipment.

Outdoor exercise area.<sup>1</sup>

**Occupational therapy<sup>2</sup>**

Office and work space for occupational therapy staff.

Therapy area.

In large units space should be divided for diversified work (separate room for children is desirable).

Storage space for supplies and equipment.

Facilities for teaching activities of daily living.

Speech and hearing facilities:<sup>2</sup> Offices for therapists and space for examination and treatment.

Artificial appliance facilities: Space for fitting and adjustment service.

Psychological facilities: Office and work space for psychological testing evaluation and counseling.

Social service facilities: Office space for private interview and counseling.

**Vocational facilities:**

Office and work space for counseling, evaluation, prevocational programs and placement. A prevocational area is not required for facilities serving children under the age of 12.

Special education: Schoolroom for children are included in program.

**General facilities:**

Locker, toilet and shower facilities for patients

Clean and soiled linen facilities.

**Nursing Unit for Adults**

**General:** It is recommended that this unit be located on the ground floor near the treatment area. Approximately one-fifth of the beds should be in two-bed rooms, the remainder in four-bed rooms. Each patients' room shall have a lavatory. Generous wardrobe space for each patient should be provided in the patients' rooms. A toilet room, with lavatory, accessible from adjoining patients' rooms, is recommended. No patients' room shall be located on any floor which is below grade.

Size of nursing unit: Not more than 50 beds, 35 to 40 beds recommended.

Minimum patients' room areas: 100 square feet per bed in multi-bed patients' rooms.

**Service facilities in each nursing unit for adults:**

Nurses' station.

Nurses' toilet.

Utility room.

Examination and treatment room.

Floor pantry.

Solarium: Provide 25 square feet per bed for 75 percent of beds on nursing unit.

Dining room: Provide 25 square feet per bed for 75 percent of beds on nursing unit.

It is recommended that the dining and solarium area be adjacent so that they can be combined into one room for recreational and other group activity purposes.

**Toilet facilities.**

If centralized toilets are provided, a toilet room for each sex at a ratio of 1 water closet to each 5 beds will be required. One of the water closet enclosures in each toilet room should be at least 5 feet by 6 feet to permit toilet training.

<sup>1</sup> Desirable but not mandatory.

<sup>2</sup> If required by program.

If toilets provided adjacent to patients' rooms are not large enough, a separate training toilet, at least 5 feet by 6 feet, should be provided.

#### Bedpan facilities.

#### Bathing facilities:

1 bathroom for each sex.

1 shower to each 8 beds.

1 bathtub.

Stretcher and wheelchair parking space.

Clean linen storage.

Equipment and supply storage.

Janitor's closet.

Telephone alcove (one per floor).

Patients' laundry.<sup>1</sup>

#### Nursing Unit for Children<sup>2</sup>

**General:** It is recommended that this unit be located on the ground floor near the treatment area. No patients' room should have more than 4 beds. Provide 2 two-bed rooms in each nursing unit. Each patients' room shall have a lavatory. Generous wardrobe space for each patient should be provided in the patients' rooms. A toilet room, with lavatory, accessible from adjoining patients' room is recommended. No patients' room shall be located on any floor which is below grade.

**Size of nursing unit:** Not more than 30 beds.

**Minimum patients' room areas:** 100 square feet per bed in 2-bed and 4-bed rooms. 80 square feet per bed recommended for crib room if provided.

**Service facilities in each nursing unit for children:**

Nurses' station.

Nurses' toilet.

Utility room.

Examination and treatment room.

Floor pantry.

**Solarium:** Provide 25 square feet per bed for 75 percent of beds on nursing unit.

**Dining room:** Provide 25 square feet per bed for 75 percent of beds on nursing unit.

It is recommended that the dining and solarium area be adjacent so that they can be combined into one room for recreational and other group activity purposes.

#### Toilet facilities.

If centralized toilets are provided, a toilet room for each sex at a ratio of 1 water closet to each 5 beds will be required. One of the water closet enclosures in each toilet room should be at least 5 feet by 6 feet to permit toilet training.

If toilets provided adjacent to patients' rooms are not large enough, a separate training toilet, at least 5 feet by 6 feet, should be provided.

#### Bedpan facilities.

#### Bathing facilities:

1 bathroom for each sex.

1 shower to each 8 beds.

1 bathtub.

Stretcher and wheelchair parking space.

Clean linen storage.

Equipment and supply storage.

Janitor's closet.

Telephone alcove (one per floor).

#### Service Department

Central sterilizing and supply room.

#### Dietary facilities:

Main kitchen.

Dietitians' space.

Dishwashing room.

Adequate refrigeration.

Garbage disposal facilities.

Day storage room.

**Personnel dining space.** Provide 12 square feet per person; may be designed for multiple seatings.

**Outpatients' dining facilities** as required.

Janitor's closet.

#### Housekeeping facilities:

**Laundry;** unless commercial or other laundry facilities are available, each Rehabilitation Facility shall have a laundry of sufficient capacity to process full 7 days laundry in work week and contain the following areas:

Sorting area.

Processing area.

Clean linen and sewing room separate from laundry.

Where no laundry is provided in the hospital, a soiled linen room and a clean linen and sewing room shall be provided.

Housekeeper's office.

#### Mechanical facilities:

Boiler and pump room.

Shower and locker facilities.<sup>1</sup>

Engineers' space.

**Maintenance shops:** At least one room shall be provided. In large rehabilitation facilities, separation of carpentry, painting and plumbing is recommended.

#### Employees' facilities:

**Female staff and volunteers lockers:**

Locker room.

Rest room.

Toilet and shower room.

**Female help lockers:**

Locker room.

Rest room.

Toilet and shower room.

**Male staff and volunteers lockers:**

Locker room.

Toilet and shower room.

**Male help lockers:**

Locker room.

Toilet and shower room.

#### Storage:

General storage. 20 square feet per bed and to be concentrated in one area.

Storage of out-door equipment.<sup>1</sup>

(B-11, c) *Separate Rehabilitation Facility (Multiple Disability) for Outpatients Only.*

#### Administration

**Business office** with information counter, telephone switchboard and cashier's window.

Administrator's office.

Director of nurses' office.

Office for volunteer services coordinator.<sup>1</sup>

Case records room.

Library for staff and patients.

Lobby and waiting room.

Public telephone booth.

Public toilets.

Personnel toilets.<sup>1</sup>

#### Evaluation and Treatment Facilities

Conference and library room.

#### Medical facilities:

Offices, examination rooms and work space for medical personnel such as physicians and nurses.

**Dental facilities:** Office and work space for provision of appropriate dental treatment.

#### Physical therapy:

Office and work space for physical therapy staff.

Rehabilitation gymnasium for adults.

Rehabilitation gymnasium for children if children are included in program.<sup>1</sup>

Hydrotherapy area.

Thermotherapy and massage area.

Storage for supplies and equipment.

Outdoor exercise area.<sup>1</sup>

#### Occupational therapy:

Office and work space for occupational therapy staff.

**Therapy area:** In large units space should be divided for diversified work (separate room for children is desirable).

Storage space for supplies and equipment.

Facilities for teaching activities of daily living.

**Speech and hearing facilities:** Offices for therapists and space for examination and treatment.

**Artificial appliance facilities:** Space for fitting and adjustment service.

**Psychological facilities:** Office and work space for psychological testing evaluation and counseling.

**Social service facilities:** Office space for private interview and counseling.

#### Vocational facilities:

Office and work space for counseling, evaluation, prevocational programs and placement. A prevocational area is not required for facilities exclusively serving children under the age of 12.

#### Special Education:

Schoolroom for children if children are included in program.

#### General facilities:

Locker, toilet and shower facilities for patients.

Clean and soiled linen facilities.

#### Nursing Units

Does not apply.

#### Service Facilities

**Dietary facilities:**<sup>2</sup>

**Housekeeping facilities:** Clean and soiled linen storage.

Janitors' closet(s).

**Mechanical facilities:**

Boiler room.

— Maintenance shop.

#### Employees' facilities:

**Female staff and volunteers lockers:**

Locker room.

Rest room.

Toilet and shower room.

**Female help lockers:**

Locker room.

Rest room.

Toilet and shower room.

**Male staff and volunteers lockers:**

Locker room.

Toilet and shower room.

**Male help lockers:**

Locker room.

Toilet and shower room.

#### Storage:

General storage.

(B-11, d) *Single Disability Rehabilitation Facility.* The requirements for a single disability rehabilitation facility will be dependent upon the specific project program, which shall include, however, services in the four basic areas—medical, psychological, social and vocational. In general the single disability rehabilitation facility will follow the pattern established for the multiple disability rehabilitation facility. In other respects the general standards set forth herein shall apply.

#### (B-12) Nursing homes.

**General:** The facilities listed below need not be provided if functionally available in an adjoining hospital.

**Nursing homes** should be planned to approximate the home atmosphere as closely as possible. It is desirable that larger bedrooms be provided than are generally provided in General Hospitals, that each bed be equitably placed in relation to the windows, that wardrobe and closet space in patients' rooms be more generous. The use of more open, informal planning, the provision of inviting recreational spaces both indoors and out, the use of decoration, color, furnishings, etc., to minimize institutional effect is recommended.

#### Administration Department

**Business office:**<sup>2</sup>

Administrator's office.<sup>2</sup>

Consultation room.<sup>1</sup>

Lobby and waiting room.

Public toilet facilities.

Public telephone.

<sup>2</sup> May be combined.

<sup>1</sup> Desirable but not mandatory.

<sup>2</sup> If required by program.

*Ancillary Facilities*

Recreation room.  
Occupational activities room.  
Patients' dining room.  
Provide at least 50 square feet per bed for 75 percent of the total beds in the Nursing Home for recreation, occupational activities and patients' dining.  
It is recommended that the recreation, occupational activities and patients' dining areas be adjacent so that they can be combined into one room for recreational and other group activity purposes.  
Physical therapy services as required.  
Patients' laundry.<sup>1</sup>  
Storage for occupational and recreational equipment.  
Outdoor recreation area.<sup>2</sup>

*Nursing Department*

General: No patients' room shall have more than 4 beds. Six beds, not more than three beds deep from outside wall, will be permitted in Nursing Homes of over 100 beds. Not more than 2 beds per patients' room is desirable. Each patients' room shall have a lavatory. A toilet room, with lavatory, accessible from adjoining patients' room is recommended. At least one single room with private toilet shall be provided in each nursing unit for each sex for purposes of medical isolation, incompatibility, personality conflict, etc. No patients' room shall be located on any floor which is below grade.  
Size of nursing unit: Should not have more than 40 beds. Larger units will be permitted if additional service facilities are provided as required.  
Minimum patients' room areas: 80 square feet per bed (100-square feet desirable) in multiple bed patients' rooms; 100 square feet per bed (125 square feet desirable) in one-bed patients' rooms.  
Service facilities for each nursing unit:  
Nurses' station.  
Nurses' toilet.  
Utility room.  
Treatment room.  
Floor pantry: one for each nursing floor in multi-story buildings.  
Toilet facilities:  
If centralized toilets are provided, a toilet room for each sex at a ratio of 1 water closet to each 8 beds will be required. One of the water closet enclosures in each toilet room should be at least 5 feet by 6 feet to permit toilet training.  
If toilets provided adjacent to patients' rooms are not large enough, a separate training toilet, at least 5 feet by 6 feet, should be provided.  
Bedpan facilities.  
Bathing facilities:  
1 bathtub.  
1 shower. (A separate bath room for each sex, containing at least one bathtub and one shower, is recommended. A ratio of one bathtub or one shower for each 10 beds is desirable.)  
Stretcher and wheelchair parking area.  
Clean linen storage.  
Equipment and supply storage.  
Janitor's closet.  
*Service Department*  
Dietary facilities:  
Kitchen.  
Dishwashing room.  
Adequate refrigeration.  
Garbage disposal facilities.  
Personnel dining facilities.  
Janitors' closet.  
Housekeeping facilities:  
Clean linen facilities.  
Sooled linen facilities.  
If commercial laundry is not available, laundry facilities shall be provided.

*Mechanical facilities:*

Boiler room.  
Maintenance facilities—at least a bench in boiler room. In larger Nursing Homes, separate maintenance facilities should be provided.  
Incinerator.<sup>1</sup>  
Employees' facilities:  
Male locker room and toilet.  
Female locker room and toilet.  
Storage:  
General storage—15 square feet per bed and to be concentrated in one area.  
Patients' clothes storage room.  
Storage for outdoor equipment.<sup>1</sup>

(B-13) *Details.* The following general requirements apply to all hospitals. Conditions in special hospitals, not covered in the general requirements, are specifically noted.

*General Requirements for Hospitals*

Door widths: 3 feet 8 inches (3 feet 10 inches preferable) at all:  
Bedrooms.  
Treatment rooms.  
Operating rooms.  
X-ray therapy rooms.  
Delivery rooms.  
Solariums.  
X-ray rooms.  
Physical therapy rooms.  
Labor rooms.  
No doors shall swing into the corridor except closet doors. (Does not apply to mental and psychiatric hospitals and mental units in general hospitals.)  
Corridor widths: 7 feet, (8 feet preferred). A greater width should be provided at elevator entrances.  
Stair Widths: The width of stairways shall be not less than 3 feet, 8 inches. The width shall be measured between handrails where handrails project more than 3½ inches.  
Elevators: Platform size—5 feet 4 inches x 8 feet. Door opening—3 feet 10 inches. See also mechanical section.  
Laundry chutes: Use optional. Where used 2' 0" minimum diameter.  
Nurses' call system: (Does not apply to mental and psychiatric hospitals and mental units in general hospitals.) Call station between each two beds in two-bed rooms and four-bed rooms and one in each one-bed room.  
Corridor dome light over each nursing room.  
Dome light and buzzer at nurses' station, utility room and floor pantry.  
Fire safety: Fire alarm systems, sprinklers and chemical extinguishing systems, fire doors, and portable fire extinguishers shall conform to the requirements of the local and State codes. Where no local or State codes are applicable, the standards of the National Board of Fire Underwriters shall govern. Exit facilities shall follow the recommendations of the Building Exits Code of the National Fire Protection Association.  
Ray protection: Rooms or areas containing X-ray equipment shall have ray protection as recommended in National Bureau of Standard's Handbook 41.  
Radioisotopes: Where radioisotopes are used or stored, protection against ionizing radiations shall conform with the recommendations established by the National Committee on Radiation Protection which are published in the Handbooks of the National Bureau of Standards.  
X-ray equipment: X-ray equipment shall comply with the applicable recommendations contained in the National Electrical Code, and in Handbook 41 as prepared by the National Bureau of Standards.  
Ceiling heights: With the following exceptions shall not be less than 9 feet clear:  
Ceiling heights for corridors, storage closets and other minor auxiliary rooms may be lower.

Ceiling heights in diagnostic or treatment centers, rehabilitation facilities and nursing homes shall not be less than 8 feet clear, except in rooms containing equipment which requires a greater height.

Ceiling height for laundry shall not be less than 11 feet clear.

Ceiling height for kitchen shall not be less than 10 feet clear.

(Higher ceiling heights for kitchen and laundry are desirable.)

Insulation in ceilings: Ceilings of boiler rooms, kitchens and laundries shall be insulated where the floor directly above them is to be used for hospital purposes.

Parking space: Adequate parking space should be available for all health facilities.

*Chronic Disease Hospitals, Rehabilitation Facilities and Nursing Homes*

Space allowances: Space allowances shall be consistent with the need in areas used by patients using crutches, wheelchairs or wheel stretchers.

Doors: All doors through which patients will pass shall be at least 3 feet 8 inches wide. Doors at least 3 feet wide will be permitted at individual toilets adjacent to patients' bedrooms.

Corridors: Corridors used by patients shall be at least 8 feet wide. A greater width should be provided at elevator entrances.

Handrails: Handrails will be required on both sides of corridors used by patients in Chronic Disease Hospitals and Nursing Homes. Handrails are not required in corridors of Rehabilitation Facilities.

Thresholds: Thresholds at doorways shall be flush.

Telephone alcoves: Telephone alcoves shall be a minimum of 4 feet square. Phone shall be located on a shelf convenient for patients in wheelchairs. Doors to telephone booths are not recommended.

Drinking fountains: Drinking fountains shall be located in corridors of nursing units and treatment areas and lobby. The fountain shall be accessible to patients in wheelchairs.

Brackets: In rehabilitation facilities brackets should be provided adjacent to patients' beds for braces and crutches.

Water closet stalls: Water closet stalls for patient use shall have handrails on both sides. Curtains are recommended in lieu of doors to stalls.

Toilet rooms: Toilet rooms adjacent to patients' rooms shall permit movement of wheelchairs and shall have handrails on both sides.

Hardware: Hardware on water closet enclosures shall be operable from outside.

Lavatories: Lavatories for patient use shall be supported on brackets to allow wheelchairs to slide under.

Mirrors: Mirrors shall be arranged for the convenience of patients in wheelchairs as well as patients in a standing position.

Bathtubs: Bathtubs shall not be elevated in rehabilitation facilities. It is recommended that bathtubs shall not be elevated in Chronic Disease Hospitals and Nursing Homes. Handrails shall be provided at all bathtubs.

Showers: Showers should be approximately 4 feet square and should have handrails and curtains. Curbs shall be omitted.

*Mental Hospitals, Psychiatric Hospitals and Psychiatric Units in General Hospitals*

The principles of psychiatric security and safety shall be followed throughout. Materials and details of construction shall be such that patients will not be afforded opportunity for escape, suicide, hiding, etc. Care must be taken to avoid projecting sharp corners, exposed piping, heating elements, fixtures, hardware, etc.

<sup>1</sup> Desirable but not mandatory.

<sup>2</sup> If required by program.

**Public Health Centers and Diagnostic or Treatment Centers**

Width of corridors shall be not less than 5' 0". Greater width preferred. Windows of examination and treatment rooms shall be glazed with obscure glass to insure privacy.<sup>1</sup>

**State Public Health Laboratories**

Provide separate air conditioning or ventilation system for bacteriological and virus laboratories with ample supply and exhaust to function properly with closed windows. Emergency showers shall be provided in chemical laboratories. Each chemical laboratory room shall have a minimum of two exits. All windows must be screened.

**(B-11) Finishes.****Floors:**

The floors of the following areas shall have smooth, waterproof surfaces which are wear resistant:

Toilets.  
Baths.  
Bedpan rooms.  
Floor pantries.  
Utility rooms.  
Treatment rooms.  
Sterilizing rooms.  
Janitors' closets.

The floors of the following areas shall be smooth and easily cleaned:

Pharmacies.  
Laboratories.  
Patient rooms.

The floors of the following areas shall be waterproof, greaseproof, smooth and resistant to heavy wear:

Kitchens.  
Butcher shops.  
Food preparation.  
Formula rooms.

The floors of the following areas shall have conductive flooring as recommended by the National Fire Protection Association:

Operating rooms.  
Delivery rooms.  
Anesthesia rooms.  
Adjoining spaces.

**Walls:**

The walls of the following areas shall have a smooth surface with painted or equal washable finish in light color. At the base, they shall be waterproof and free from spaces which may harbor ants and roaches:

All rooms where food and drink are prepared, served or stored.

The walls of the following areas shall have waterproof painted, glazed or similar finishes to a point above the splash or spray line:

Kitchens.  
Sculleries.  
Utility rooms.  
Baths.  
Showers.  
Dishwashing rooms.  
Janitors' closets.  
Sterilizing rooms.  
Spaces with sinks.

The walls of the following areas shall have waterproof glazed, painted or similar surface which will withstand washing to a distance of not less than 5' 0":

Operating rooms.  
Delivery rooms.

**Ceilings:**

The ceilings of the following areas shall be painted with waterproof paint:

Operating rooms.  
Delivery rooms.

All sculleries, kitchens and other rooms where food and drink are prepared.

The ceilings of the following areas shall be acoustically treated:

Corridors in patient areas.  
Nurses' stations.

Labor rooms.  
Utility rooms.<sup>1</sup>  
Floor pantries.  
Kitchens.<sup>1</sup>

**State Public Health Laboratory****Floors:**

Resilient, smooth and stain resistant: All laboratories other than chemistry laboratories.

Resilient, smooth and acid resistant: Chemistry laboratories.

Smooth, waterproof, grease-proof, easily cleaned, non-slip, resistant to heavy traffic:

Culture media rooms.  
Glasswashing rooms.  
Sterilization rooms.  
Acid cleaning rooms.  
Animal rooms.

**Walls:**

Waterproof, painted, glazed or similar finishes to a point above the splash or spray line. They shall be without cracks, and in conjunction with floors shall be waterproof and free of cracks and spaces which may harbor ants and roaches:

Laboratories.  
Incubator rooms.  
Sterilizing rooms.  
Culture media rooms.  
Glasswashing rooms.  
Acid cleaning rooms.  
Inoculation and operating rooms.  
Animal rooms.

Same as above, but finish to reach to ceiling: Sterile rooms.

**Ceilings:** Waterproof painted: Sterile rooms. Shelves and cabinets: Shelves and cabinets which are used for the storage of food, dishes, and cooking utensils shall be so constructed and mounted that there shall be no openings or spaces which cannot be cleaned and which might harbor vermin or insects. Cabinets which are used for the storage of open food containers and dishes shall be dust tight.

**Chronic Disease Hospitals, Rehabilitation Facilities and Nursing Homes**

**Wainscot:** A wainscot of durable material should be provided in all rooms used by patients for protection of walls against damage caused by wheelchairs, stretchers and carts. Such a wainscot is desirable but not mandatory in Chronic Disease Hospitals and Nursing Homes.

**III-C. Structural—A. Codes.** All construction shall be in accordance with the applicable local and State building codes and regulations. In areas which are not subject to local or State building codes, the recommendations of the following nationally recognized technical and engineering authorities shall be adopted insofar as such recommendations are not in conflict with the minimum general standards as set forth herein.

1. *American Concrete Institute.* (a) For good engineering practice in the design, erection, allowable working stresses, and for the mixing and placing of concrete on structures built of reinforced concrete.

(b) For standard specifications for cast stone.

2. *American Standards Association.* (a) For standard practice in masonry construction.

(b) For the design and erection of structural steel for buildings (the American Institute of Steel Construction Code).

(c) For good practice in gypsum plastering, including requirements for lathing and furring.

(d) For good practice in the design and erection of reinforced gypsum concrete.

(e) For safe practice in the design and construction of elevators and dumbwaiters.

3. *American Society of Testing Materials.*

(a) For the specifications on, and the meth-

ods of testing, for metals and the materials of masonry construction.

(b) For the methods of standard fire tests of building construction and materials and for the methods of fire tests of door assemblies.

4. *National Lumber Manufacturers' Association.* (a) For good practice in the use of wood in type of construction of which it is a part, and for the working stresses of stress-grade lumber and its fastenings.

5. *National Board of Fire Underwriters.* (a) For estimated and tested fire-resistance ratings of materials and constructions.

(b) For safe practice in the design and construction of chimneys and metal smoke stacks.

6. *National Bureau of Standards.* (a) Publication BMS 92 and other data for tested fire-resistive ratings of materials and constructions.

**B. Design data—General.** The buildings and all parts thereof shall be of sufficient strength to support all dead, live, and lateral loads without exceeding the working stresses permitted for the materials of their construction in generally accepted good engineering practice.

**Special.** Special provisions shall be made for machines or apparatus loads which would cause a greater load than the specified minimum live load.

Consideration shall be given to structural members and connections of structures which may be subject to hurricanes or tornadoes. Floor areas where partition locations are subject to change shall be designed to support, in addition to all other loads, a uniformly distributed load of 25 p. s. f.

**Live loads.** The following unit live loads shall be taken as the minimum distributed live loads for the occupancies listed:

Hospital wards, bedrooms and all adjoining service rooms which comprise a typical nursing unit (except solariums and corridors) 40 p. s. f.

Solariums, corridors in nursing units and all corridors above first floor, operating suites, examination and treatment rooms, laboratories, toilet and locker room, 60 p. s. f.

Offices, conference room, library, kitchen, radiographic room, corridors, and other public areas on first floor, 80 p. s. f.

Stairways, laundry, large rooms used for dining, recreation or assembly purposes, workshops, 100 p. s. f.

Records File room, storage, supply, 125 p. s. f.

Mechanical equipment room, 150 p. s. f.

Roofs (except use increased value where snow and ice may occur), 20 p. s. f.

Wind (as required by local conditions, but) not less than 15 p. s. f.

**Earthquake—**for structures located within an area subject to earthquake shocks, refer to "Uniform Building Code" of the Pacific Coast Building Officials Conference.

**Reduction of live loads.** (a) No reductions shall be applied to the roof live load.

(b) For live loads of 100 pounds or less per square foot, the design live load on any member supporting 150 square feet or more may be reduced at the rate of 0.08 percent per square foot of area supported by the member, except that no reductions shall be made for areas to be occupied as places of public assembly. The reduction shall exceed neither *R* as determined by the following formula nor 60 percent:

$$R = 100 \times \frac{D + L}{4.33 L}$$

in which *R*=reduction in percent.

*D*=dead load per square foot of area supported by the member.

*L*=design live load per square foot of area supported by the member.

<sup>1</sup>Desirable but not mandatory.



For live loads exceeding 100 p. s. f., no reduction shall be made, except that the design live loads on columns may be reduced 20 percent.

Supplementary information regarding design loads shall be in accordance with "American Standard Building Code Requirements for Minimum Design Loads in Buildings and Other Structures—Miscellaneous Publication M 179" of the National Bureau of Standards.

**C. Construction.** Foundations shall rest on natural solid ground and shall be carried to a depth of not less than one foot below the estimated frost line or shall rest on leveled rock or load-bearing piles when solid ground is not encountered. Footings, piers, and foundation walls shall be adequately protected against deterioration from the action of ground water. Reasonable care shall be taken to establish proper soil-bearing values for the soil at the building site. If the bearing capacity of a soil is not definitely known or is in question, a recognized load test may be used to determine the safe bearing value.

One-story buildings shall be constructed of not less than one-hour fire-resistive construction throughout except that boiler rooms, heating rooms, and combustible storage rooms shall be of three-hour fire-resistive construction.

Buildings more than one story in height shall be constructed of incombustible materials, using a structural framework of reinforced concrete or structural steel except that masonry walls and piers may be utilized for buildings up to and including three stories in height not accounting for Penthouses. The various elements of such buildings shall meet the following fire-resistive requirements:

Walls:	Hours
Party and firewalls.....	4
Exterior bearing walls.....	3
Exterior panel and curtain walls.....	3
Inner court walls.....	3
Bearing partitions.....	3
Non-load bearing partitions.....	1
Enclosures for stairs, elevators and other vertical openings.....	2
Columns, girders, beams, trusses.....	3
Floor panels (including beams and joists in same).....	2
Roof panels (including beams and joists in same).....	2

Stairs and platforms shall be reinforced concrete or structural steel with hard incombustible materials for the finish of risers and treads.

Rooms housing furnaces, boilers, combustible storage or other facilities which may provide fire hazards shall be constructed of a 3-hour fire-resistive construction.

**III D. Mechanical and electrical—1. Heating; steam systems and ventilation—Codes.** The heating system, steam system, boilers and ventilation shall be furnished and installed to meet all requirements of the local and State codes and regulations, and the regulations of the National Board of Fire Underwriters and the minimum general standards as set forth herein. Where there is no local or State boiler code, the recommendations of the A. S. M. E. shall apply. Gas fired equipment shall comply with the regulations of the American Gas Association.

**Boilers.** Boilers shall have the necessary capacity when operating at normal rating to supply the heating system, hot water, and steam operated equipment, such as sterilizers, laundry and kitchen equipment. Spare boiler capacity shall also be provided in a separate unit to replace any boiler which might break down, except that spare boiler capacity for heating will not be required in design temperature zone +20° F or higher as shown by the current edition of the A. S. H. & V. E. Guide. Boilers which supply high pressure steam to sterilizers, kitchens,

laundry, etc., shall meet the requirements of the city and State boiler codes for 125 pounds working pressure. It is desirable to operate boilers, supplying steam for laundries, at not less than 105 pounds pressure while boilers for sterilizers and kitchen may operate at 50 pounds pressure.

**Heating system.** The building shall be heated by a hot water, steam, or equal type heating system.

**Steam system.** A system of Steam and Return Mains and Appurtenances shall be provided to supply all equipment which requires steam heat.

**Boiler accessories.** Boiler feed pumps, return pumps and circulating pumps shall be furnished in duplicate, each of which has a capacity to carry the full load. Blow off valves, relief valves, non-return valves, injectors and fittings shall be provided to meet the requirements of the City and State Codes. Where no City or State Codes are in force the recommendations of the ASME shall apply.

**Radiation.** The necessary radiation shall be furnished in each room and occupied space to maintain a temperature of 70° F except in operating, delivery, and nurseries where a temperature of 75° F shall be maintained. In spaces where radiant heat is used, the minimum temperatures specified may be reduced to maintain an equivalent comfort level. Each radiator shall be provided with hand control valve except where individual room automatic control is provided.

**Piping.** Steam and hot-water heating piping shall be installed with standard weight steel or iron pipe and cast iron fittings. Pipe used in heating and steam systems shall not be smaller sizes than prescribed by the latest edition of the American Society of Heating and Ventilating Engineers Guide. The ends of all steam mains and low points in steam mains shall be dripped.

**Valves.** Steam, return and heating risers, steam, return and heating mains shall be controlled separately by a valve. Each steam and return main shall be valved. Each piece of equipment supplied with steam shall be valved on the supply and return ends.

**Thermostatic control.** The heating system shall be thermostatically controlled in one or more zones.

**Auxiliary heat.** Radiation or ventilation systems in operating rooms, delivery rooms, recovery rooms and nurseries shall be arranged so that an auxiliary source of heat is available independent of the building space heating system. It may be desirable to serve such radiation or ventilation systems with steam which is available the year round.

**Coverings.** Boilers and smoke breeching shall be insulated with covering not less than 1-inch Magnesia blocks and ½-inch plastic asbestos finish. All high pressure steam and high pressure return piping shall be insulated with covering not less than the equivalent of 1-inch four ply asbestos covering. Heating mains in the boiler room, in unheated spaces, unexcavated spaces, and where concealed, shall be insulated with covering not less than 1-inch asbestos air cell.

**Ventilation.** Rooms which do not have outside windows and which are used by patients or hospital personnel, such as utility rooms, toilets, bed pan rooms, baths, sterilizer rooms, sterilizer equipment chambers and food storage rooms shall be provided with forced or suitable ventilation to change the air at least once every six minutes.

Kitchens, morgues and laundries which are located inside the hospital building shall be ventilated by exhaust systems which will discharge the air above the main roof or 50' 0" from any window. The ventilation of these spaces shall comply with the State or Local Codes but if no code governs, the air in the work spaces shall be exhausted at least once every six minutes with the greater part of the air being taken from the flat work ironer and ranges. Rooms used for the storage of

combustible anesthetic agents, paints and other highly flammable materials shall be ventilated to the outside air with intake and discharge ducts. Oxygen storage and oxygen manifold rooms shall comply with the regulations set forth in the latest edition of the NFPA-56.

The operating and delivery rooms shall be provided with a supply ventilating system with heaters and humidifiers which will change the air at least eight times per hour by supplying fresh filtered air humidified to prevent static. No recirculation will be permitted. The air shall be removed from these rooms by forced system of exhaust. The adjoining sterilizing rooms and sterilizing equipment chambers shall be provided with exhaust ventilation.

**Incinerators.** Incinerators shall be installed in hospitals except where coal fired boilers suitable for waste destruction are available. If provided, the incinerator shall be designed to completely burn 60 percent wet garbage without objectionable smoke or odor. Where garbage is removed from the premises or disposed of by other means, incinerators will be required for the disposal of dressings, contagious and infectious materials, amputations and general rubbish. Rubbish incinerators shall be designed to completely burn 50 percent wet rubbish without objectionable smoke or odor. Gas or oil fired incinerators are desirable. The incinerator shall be designed with drying hearth, grates and combustion chamber lined with 9" fire brick. The gases shall be carried to a point above the roof of the hospital.

Incinerators for Diagnostic or Treatment Facilities need not conform in all respects to the above requirements but shall be of such design, construction and capacity to fulfill the needs of such facilities.

**Tests.** The systems shall be tested to demonstrate to the satisfaction of the State agencies having jurisdiction that: The boilers will carry the full load with one boiler in reserve, that the steam supply to all steam heated equipment is ample, that the ventilating equipment meets the minimum requirements and that all systems circulate satisfactorily without leaks or noise.

**Health centers, nurses' residences, laboratories, diagnostic or treatment centers, rehabilitation facilities and nursing homes.** A spare boiler may not be required for Health Centers, Nurses' Residences, Laboratories, Diagnostic or Treatment Centers, Rehabilitation Facilities and Nursing Homes. Incinerators are recommended in Health Centers, Nurses' Residences, Laboratories, Rehabilitation Facilities and Nursing Homes.

Separate special ventilation or air-conditioning systems are required for the bacteriological and virus laboratories.

**Mental hospitals.** Radiators, grilles, pipes, valves and equipment shall be so located that they are not accessible to patients. Hot air heating may be used for spaces occupied by mental patients.

**2. Plumbing and drainage.** All parts of the plumbing systems shall comply with all applicable local and State codes and the requirements of the State Department of Health and the minimum general standards as set forth herein. Where no State or local codes are in force or where such codes do not cover special hospital equipment, appliances, and water piping, the Report of the Coordinating Committee for a National Plumbing Code shall apply.

**Water service.** The water supply available for the hospital shall be tested and approved by the State Department of Health.

The water service shall be brought into the building to comply with the requirements of the local water department and shall be free of cross connections.

**Hot water heaters and tanks.** The hot water heating equipment shall have sufficient capacity to supply 6½ gallons of water at 125° F per hour per bed for hospital fix-

tures, 4 gallons of water at 180° F per hour per bed for kitchen and 4½ gallons of water at 180° F per hour per bed for laundry.

The hot water storage tank or tanks shall have a capacity equal to 80 percent of the heater capacity.

Where direct fired hot water heaters are used they shall be of an approved high pressure type. Submerged steam heating coils shall be of copper. Storage tanks shall be of non-corrosive metal or be lined with non-corrosive material to comply with the A. S. M. E. Code for pressure vessels. Tanks and heaters shall be fitted with vacuum and relief valves, and where the water is heated by coal or gas they shall have thermostatic relief valves. Heaters shall be thermostatically controlled.

**Water supply systems.** From the cold water service and hot water tanks, cold water and hot water mains and branches shall be run to supply all plumbing fixtures and equipment which require hot or cold water or both for their operation. Pipes shall be sized to supply water to all fixtures with a minimum pressure of 15 pounds at the top floor fixtures during maximum demand periods. All plumbing fixtures except water closets, urinals, bedpan washers and drinking fountains shall have both hot and cold water supplies. Every supply outlet or connection to a fixture or appliance shall be protected against back flow in accordance with the provisions of standards for air gaps and backflow preventors as provided by plumbing Standards ASA-A40.4 and A40.6. Wherever the usage of fixture or appliance will permit, water supplied to all fixtures, open tanks and equipment, shall be introduced through a suitable air gap between the water supply and the flood level of the fixture. No connections shall be made which will permit backflow.

Hot water circulating mains and risers shall be run from the hot water storage tank to a point directly below the highest fixture at the end of each branch main. Where the building is higher than 3 stories, each riser shall be circulated. Water pipe sizes shall be equal to those prescribed by the Report of the Coordinating Committee for a National Plumbing Code.

**Drainage system.** All fixtures and equipment shall be connected through traps to soil and waste piping and to the sewer. Indirect waste connections shall be provided for devices or fixtures in which food, drink, water and ice are processed or stored, dishwashing machines, sterilizers, stills and equipment requiring cooling water. All shall conform to the requirements of the Report of the Coordinating Committee for a National Plumbing Code.

**Rain water drains.** Leaders shall be provided to drain the water from roof areas to a point from which it cannot flow into the basement or areas around the building. Courts, yards, and drives which do not have natural drainage from the building shall have catch basins and drains to low ground, storm water system, or dry wells. Where dry wells are used they shall be located at least 20' 0" from the building.

**Gas piping.** Gas appliances shall be approved by the American Gas Association and shall be connected in accordance with the requirements of the company furnishing the gas. Gas outlets shall not be provided in patients' bedrooms.

**Oxygen systems.** Where oxygen systems are installed the oxygen piping, outlets, manifolds, manifold rooms and storage rooms shall be installed in accordance with the requirements of N. F. P. A. Bulletins No. 56 and No. 565.

**Pipe.** The building drain, to a point 5' 0" from the building, shall be of cast iron. Soil stacks, drains, vents, waste lines, and leaders shall be of cast iron or steel except drain lines in back-fill or soil shall be of cast iron. Oxygen lines shall be of copper

tubing not lighter than type "K" or I. P. S. red brass with fittings of brass or copper. Drains from sinks which use chemicals shall be of approved acid resistant material. Gas piping shall be of black iron with malleable fittings or copper tubing.

**Valves.** Each main, branch main, riser and branch to a group of fixtures of the water systems shall be valved.

**Insulation.** Tanks and heaters shall be insulated with covering equal to 1" 4-ply air cell.

Hot water and circulating pipes shall be insulated with covering equal to canvas jacketed 3-ply asbestos air cell.

Cold water mains in occupied spaces and in store rooms shall be insulated with canvas jacketed felt covering to prevent condensation. All pipes in outside walls shall also be insulated to prevent freezing.

**Stand pipe system.** The stand pipe system shall be installed as required by the local and State departments having jurisdiction. Where no local or State Codes are in force, the stand pipe system shall comply with the requirements of the National Board of Fire Underwriters.

**Sprinkler system.** To reduce the danger from fire, it is desirable to provide automatic sprinkler systems in those areas which are considered hazardous from a fire safety point of view. Such hazardous areas may include the soiled linen rooms, basement corridors, paint shops, wood working shops, trash rooms, storage rooms, accessible attics, laundry and trash chutes, and entire non-fireproofed buildings.

**Plumbing fixtures.** The material used for plumbing fixtures shall be of an approved non-absorptive acid resisting material.

Water closets in and adjoining patients' areas shall be of a quiet operating type.

Flush valves shall be designed for quiet operation with non-return stops, back flow preventers and silencers.

Faucet spouts shall have the discharge opening above the rim of the fixture. Goose neck spouts shall be used for patients' lavatories, nurses' lavatories and sinks which may be used for filling pitchers. Knee or elbow action controls shall be used for doctors' wash up, utility and clinic sinks and in treatment rooms. Elbow action spade handles shall be used on other lavatories and sinks used by doctors or nurses.

**Drinking fountains.** Drinking fountains shall comply with the A. S. A. Z4.2-1942.

**Tests.** All soil, waste, vent and drain lines shall be tested by water or air test before they are built in.

A smoke or chemical test shall be applied after fixtures have been set. Water pipe shall be hydraulically tested to a pressure equal to twice the working pressure. The tests shall demonstrate to the satisfaction of the State Agency that there are no leaks, that hot water is circulating satisfactorily, that all traps are properly vented, that there is ample supply of hot and cold water to all fixtures, that no fixture or equipment can be back syphoned and that there are no back-flow connections.

**Sterilizers.** Sterilizers and autoclaves shall be provided of the required types and necessary capacity to adequately sterilize instruments, utensils, dressings, water, operating room material, such as gloves, sutures, etc., and as required for laboratories. The sterilizers shall be of recognized hospital types with approved controls and safety features.

**Mental, Psychiatric, Tuberculosis and Chronic Disease Hospitals, Rehabilitation Facilities and Nursing Homes.** Plumbing fixtures which require hot water and which are accessible to patients shall be supplied with water which is thermostatically controlled to provide a maximum water temperature of 110° F. at the fixture.

Special consideration shall be given to piping, controls, and fittings of plumbing fixtures as required by the types of mental

patient and the doctor in charge of planning. No pipes or traps shall be exposed and fixtures shall be substantially bolted through walls. Generally, for disturbed patients, prison type water closets without seats shall be used and shower and bath controls shall not be accessible to patients.

The hot water heat and tank capacities for laundries in T. B. and mental hospitals may be reduced to 40 percent of that required for general hospitals.

**Laboratories, nurses' residences and health centers.** Emergency quick acting cold water showers are required at convenient points in chemical laboratories.

Only one system of hot water will be required in laboratories, nurses' residences and health centers and the elbow or knee action lavatory and sink faucet handles will be required only in clinical rooms of health centers.

**3. Electrical installations—Codes and regulations.** The installation of electrical work and equipment shall comply with all local and State codes and laws applicable to electrical installations and the minimum general standards as set forth herein. Where such codes and laws are not in effect or where they do not cover special installations the National Electrical Code and standards referenced therein which are applicable shall apply. The regulations of the local utility company shall govern service connections. All materials shall be new and shall equal standards established by the Underwriters Laboratories, Inc. Certificates of approval shall be issued by these departments having jurisdiction before the work will be approved for final payment.

**Service.** Connections from the service mains, with meter connections and service switches shall be installed as required by the Public Service Company.

**Feeders and circuits.** Separate power and light feeders shall be run from the service to a main switchboard and from there sub-feeders shall be provided to the motors and power and light distributing panels. Where there is only one service feeder, separate power and light feeders from the service entrance to the switchboard will not be required. From the power panels feeders shall be provided for large motors, and circuits from the light panels shall be run to the lighting outlets. Large heating elements shall be supplied by separate feeders from the Power or Light Service as directed by the local Public Service Company. Independent feeders shall be furnished for X-ray equipment.

**Switchboard and power panels.** Circuit breakers or dead front type fused switches shall be installed to protect all feeders and sub-feeders. Motors shall be connected with breakers or fused switches.

**Light panels.** Light panels shall be provided on each floor for the lighting circuits on that floor. Light panels shall be located near the load centers not more than 100' 0" from the farthest outlet.

**Lighting outlets and switches.** All occupied areas shall be adequately lighted as required by duties performed in the space. Patients' bedrooms shall have as a minimum general illumination a night light and a patient's reading light. The outlets for general illumination and night lights shall be switched at the door. Switches in patients' rooms shall be of an approved mercury or equal, quiet operating type, or shall be placed in the corridor. Operating and delivery rooms shall have general illumination and special lights for the tables each on an independent circuit.

**Explosion-proof equipment.** All electrical equipment in operating, delivery and emergency rooms and anesthesia storage and induction rooms less than 5' 0" above the floor shall be explosion-proof.

**X-ray film illuminator.** Each operating room shall have a film illuminator.

**Receptacles (convenience outlets).** Receptacles suitable for the service shall be located where plug-in service is required. Each bedroom shall not have less than two duplex receptacles, with at least one receptacle near the head of each bed. Polarized receptacles for use of special equipment such as portable X-ray, shall be installed in all nursing corridors, not more than 50 feet apart and at locations convenient to operating, delivery, and emergency rooms. At least three three-pole grounded receptacles shall be installed in each operating, delivery, and emergency room.

**Emergency lighting.** Emergency lighting shall be provided for exits, stairs, and patient corridors which shall be supplied by an emergency service, an automatic emergency generator or battery with automatic switch. Operating and delivery room lights shall be connected with an automatic transfer switch which will throw the circuits to the emergency service in case of current failure. Should an emergency service from the street be used it shall be from a generating plant independent of that used for the main electric service.

**Nurses call.** Each patient shall be furnished with a nurses' call station which will register a call from the patient; at the corridor door, at the nurses' station, and in each pantry and utility room of the nursing unit. A duplex unit may be used for 2 patients. Indicating lights shall be provided at each station where there are more than two beds in a room. Nurses' call stations will not be required for beds which are used only for children. Operating, delivery and recovery rooms, rooms used for children and nurseries shall have one emergency call each for use of the nurse. Wiring for nurses call systems shall be installed in conduit.

**Lighting fixtures.** Lighting fixtures shall be furnished for all lighting outlets. They shall be of a type suitable for the space. Should ceiling lights be used in patients' rooms, they shall be of a type which does not shine in the patients' eyes.

**Fire Alarms.** A manually operated fire alarm system shall be installed in each hospital and nursing home. It is recommended that this system be coded and electrically supervised. The alarm system shall comply with applicable local codes, or in the absence of such codes the "Building Exits Code" shall apply.

**Clocks.** A clock system is desirable but not mandatory. Where provided, it should be complete with master clock and time indicator clocks in administrative offices, main lobby, and work areas as required.

**Tests.** Lighting fixtures, all wiring and equipment shall be tested to show that it is free from grounds, shorts or open circuits.

**Health Centers, Nurses' Residences, Laboratories, Diagnostic or Treatment Facilities, and Separate Rehabilitation Facilities for Outpatients Only.** Emergency lighting and call systems will not be required in health centers, Nurses' Residences, Laboratories, Diagnostic or Treatment Facilities and Separate Rehabilitation Facilities for Outpatients only except as provided for by local and State codes.

**Mental hospitals.** No lighting fixtures, switches, receptacles or electrical equipment shall be accessible to mental patients.

Nurses' call systems will not be required in areas occupied by mental patients.

**4. Elevators and dumbwaiters—Codes.** The elevator installations shall comply with all local and State Codes, American Standard Safety Code for Elevators, the National Board of Fire Underwriters, the National Electric Codes, and the minimum general standards as set forth herein.

**Number of cars.** Any hospital or nursing home with patients on one or more floors above the first or where the operating or delivery rooms are above the first floor shall

have at least one electric motor driven elevator. Hospitals or nursing homes with a bed capacity of from 60 to 200 above the first floor shall have not less than two elevators. Hospitals with a bed capacity of from 200 to 350 above the first floor shall have not less than 3 elevators, two passenger and one service. A larger number may be required by the hospital plan, a large visitors' traffic and food distribution.

Elevators with a rise of more than 6 stories require special consideration.

**Cab.** Cabs shall be constructed with fire-proof material. Passenger cab platforms shall be not less than 5' 4" x 8' 0" with a capacity of 3,500 pounds. Service elevators shall be of sufficient size to receive a stretcher with patient.

Cab and shaft doors shall be not less than 3' 10" clear opening.

**Controls.** Elevators, for which operators will not be employed, shall have automatic push-button control, signal control or dual control for use with or without operator. Where two push-button elevators are located together and where one such elevator serves more than three floors and basement; they shall have collective or signal control. Where the car has a speed of more than 100' 0" per minute or has a rise of four or more floors, the elevator shall be equipped with automatic self-leveling control which will automatically bring the car platform level with the landing with no load or full load. Multi-voltage or variable voltage machines shall be used where speeds are greater than 150' 0" per minute. For speeds above 350' 0" per minute, the elevators shall be of the gearless type.

**Dumbwaiters.** Dumbwaiter cabs shall be not less than 24" x 24" x 36" of steel with one shelf to operate at speed of 50' to 100' per minute when carrying a load of 100 pounds. Dumbwaiters serving basement and four floors shall have a minimum speed of 100' 0"

**Tests.** Elevator machines shall be tested for speed and load with and without loads in both directions and shall be given over-speed tests as covered by the "Safety Code for Elevators."

**5. Refrigeration—Codes.** The refrigerators and refrigerating systems shall be furnished and installed to meet all requirements of the local and State Codes and regulations, the National Board of Fire Underwriters, and the minimum general standards as set forth herein.

This section shall include portable refrigerators, built-in refrigerators, garbage refrigeration, ice-making and refrigerator equipment, morgue boxes.

**Box construction.** Boxes shall be insulated with waterproof, nonabsorbent, verminproof insulation. For the portable boxes, the insulation in the doors and walls shall be equal to 2-inch cork. Outer walls and doors of the walk-in boxes shall have insulation equal to 4-inch cork. Boxes shall be lined with nonabsorbent sanitary material which will withstand the heavy use to which it will be subjected and constructed so as to be easily cleaned.

Refrigerators of adequate capacity shall be provided in all kitchens and other preparation centers, where perishable foods will be stored.

In the main kitchen, a minimum of two separate sections or boxes shall be provided, one for meats and dairy products, and one for general storage.

**Refrigerator machines.** Toxic, "Irritant" or inflammable refrigerants shall not be used in refrigerator machines located in buildings occupied by patients.

The compressors and evaporators shall have sufficient capacity to maintain temperatures of 35° F. in the meat and dairy boxes, and 40° F. in the general storage boxes when the boxes are being used nor

mally. Compressors shall be automatically controlled.

**Tests.** Compressors, piping, and evaporators shall be tested for leaks and capacity.

**6. Kitchen equipment—Codes.** The kitchen equipment shall be so constructed and installed as to comply with the applicable local and State laws, codes, regulations and requirements, and with the applicable sanitation standards of Public Health Bulletin No. 280, entitled "Ordinance and Code Regulating Eating and Drinking Establishments, recommended by the U. S. Public Health Service," and with the minimum general standards set forth herein.

**Equipment.** The equipment shall be adequate and so arranged as to enable the storage, preparation, cooking, and serving of food and drink to patients, staff and employees to be done in an efficient and sanitary manner. The equipment shall be selected and arranged in accordance with the types of food service adopted for the hospital.

Adequate cabinets or other facilities shall be provided for the storage or display of food, drink, and utensils, and shall be designed as to protect them from contamination by insects, rodents, other vermin, splash, dust, and overhead leakage.

Adequate facilities shall be provided for the washing and bactericidal treatment of utensils used for eating, drinking, and food preparation. Where utensils are to be washed by hand, there shall be provided an adequate sink equipped with heating facilities to maintain a water temperature of at least 170° F in the bactericidal treatment compartment throughout the dishwashing period. Where utensils are to be washed by machine, there shall be provided facilities for supplying to the dishwashing machine an adequate supply of rinse water at 170° F., measured at the rinse sprays, throughout the dishwashing period. All tables, shelves, counters, display cases, stoves, hoods, and similar equipment shall be so constructed as to be easily cleaned and shall be free of inaccessible spaces providing harborage for vermin. Where there is not sufficient space between equipment and the walls or floor to permit easy cleaning, the equipment shall be set tight against the walls or floor and the joint properly sealed. All utensils and equipment surfaces with which food or drink comes in contact shall be of smooth, not readily corrodible material free of breaks, corrosion, open seams or cracks, chipped places, and V-type threads. All surfaces with which food or drink comes in contact shall be easily accessible for inspection and cleaning and shall be self-draining, and shall not contain or be plated with cadmium or lead. All water supply and waste line connections to kitchen equipment shall be installed in compliance with the plumbing requirements of these standards.

**7. Laundry—Codes.** The laundry equipment shall be designed and installed to comply with all local and State codes and laws, and the requirements of the State Department of Health and the minimum general standards as set forth herein.

Where laundries are provided they shall be complete with washers, extractors, tumblers, ironer and presses which shall be provided with all safety appliances and sanitary requirements.

**Washers.** There shall be at least two washers which shall have a combined rated capacity of not less than 12 pounds of dry laundry per day per patient bed, when operating not more than 40 hours per week.

**Ironer.** Provide one flat work ironer with a capacity equal to 70 percent of the washer capacity when operating 40 hours per week.

**Extractor.** There shall be not less than one extractor with a daily capacity equal to that given above for the washers and for hospitals with more than 100 beds there shall be two extractors.

**Tumbler.** Provide a minimum of one tumbler with a rated capacity equal to 25 percent

of the washers, when operating 40 hours per week.

**Presses.** For finished work provide not less than 1 nurses uniform unit consisting of 3 presses or one utility unit with 2 presses which shall be increased for the larger hospitals.

**Wash tubs.** Provide 2 wash tubs.

**Mental and T. B. hospitals.** The capacity per bed of laundry equipment for T. B. and mental hospitals shall be 40 percent of that required for general hospitals.

**III (E). Preparation of plans, specifications and estimates.** The requirements contained herein have been established for the guidance of the Applicant and the Architect to provide a standard method of preparation of drawings, specifications and estimates.

It is expected that the applicant will find it advantageous to submit the material through the State Agency in three stages for its recommendation and approval. However, the applicant may, if he so elects, combine the first two stages.

If the data required under stage 3 is available, it may be submitted without the drawings required under stages one and two.

Copies of the final working drawings and specifications previously submitted under stage three will be submitted for approval with the formal application for the project. The requirements for the material submitted at each of the three stages are as follows.

**Drawings and specifications—1. (First stage) program and schematic plans—(a) Program.** List in outline form the rooms or spaces to be included in each department, explaining the functions or services to be provided in each, indicating the approximate size, the number of personnel and the kind of equipment or furniture it will contain. Note any special or unusual services or equipment to be included in the facility. If a hospital project, submit a schedule showing the total number of beds, their distribution in room and in the services, such as medicine, surgery, obstetrics, etc.

(b) **Schematic plans.** Single line drawings of each floor showing the relationship of the various departments or services to each other and the room arrangement in each department. The name of each room should be noted. The proposed roads and walks, service and entrance courts, parking and orientation may be shown on either a small plot plan or the 1st floor plan. Simple vertical space diagram should be submitted at this stage.

(c) **Construction outline.** A brief description of the type of construction.

(d) **Description of site.** If a survey has been made, a plat shall be submitted at this time, if not it should be submitted with the Preliminary Plans (Second Stage). In lieu of a plat of the survey, a description of the site may be submitted at this time. This shall note the general characteristics of the site, easement, availability of electricity, water and sewer lines, main roadway approaches, direction of prevailing breezes, orientation, etc. A map indicating location of the hospital in its geographic area with particular reference to recommendation given under Site III A, should be submitted.

(e) **Preliminary cost estimates.**

**2. (Second stage) preliminary plans, elevations, and outline specifications.** (A) Development of the preliminary sketch plans indicating in more detail the assignment of all spaces, size of areas and rooms, indicating in outline, the fixed and movable equipment and furniture.

The plans shall be drawn at a scale sufficiently large to clearly present the proposed design.

The total floor area shall be computed and shown on the drawings.

The drawings shall include (1) a plan of each floor including the basement or ground floor, (2) Roof plan, (3) Approach plan show-

ing roads, parking areas, sidewalks, etc., (4) elevations of all facades, (5) sections through the building.

A print of the "Site Survey and Soil Information" which is described under another section of this manual shall be included unless it has already been submitted in Stage I.

(B) Outline specifications shall provide a general description of the construction including interior finishes; acoustical material, its extent and type; extent of the conductive floor covering; heating and ventilating systems; and the type of elevators.

(C) Revised cost estimates.

**3. (Third stage) working drawings and specifications.** (A) All working drawings shall be well prepared so that clear and distinct prints may be obtained; accurately dimensioned and include all necessary explanatory notes, schedules and legends. Working drawings shall be complete and adequate for contract purposes. Separate drawings shall be prepared for each of the following branches of work: Architectural, Structural, Mechanical, Electrical. They shall include or contain the following:

1. **Architectural drawings.** (a) Approach plan showing all new topography, newly established levels and grades, existing structures on the site (if any), new buildings and structures, roadways, walks, and the extent of the areas to be seeded. All structures and improvements which are to be removed under the construction contract shall be shown. A print of the survey shall be included with the working drawings for the information of bidders only. The survey shall not be made a contract drawing.

(b) Plan of each floor and roof.

(c) Elevations of each facade.

(d) Sections through building.

(e) Scale and full size details as necessary; scale details at one and one-half (1½) inches to the foot may be necessary to properly indicate portions of the work. Full size details may be prepared after award of construction contract.

(f) Schedule of finishes.

2. **Equipment drawings.** (a) Large scale drawings of typical and special rooms indicating all fixed equipment and major items of furniture and movable equipment. The furniture and movable equipment will not be included in the construction contract but should be indicated by dotted lines.

3. **Structural drawings.** (a) Plans of foundations, floors, roofs and all intermediate levels shall show a complete design with sizes, sections, and the relative location of the various members. Schedule of beams, girders and columns.

(b) Floor levels, column centers, and offsets shall be dimensioned.

(c) Special openings and pipe sleeves shall be dimensioned or otherwise noted for easy reference.

(d) Details of all special connections, assemblies and expansion joints shall be given.

(e) Notes on design data shall include the name of the governing building code, values of allowable unit stresses, assumed live loads, wind loads, earthquake load, and soil-bearing pressures.

(f) For special structures, a stress sheet shall be incorporated in the drawings showing:

(1) Outline of the structure.

(2) All load assumptions used.

(3) Stresses and bending moments separately for each kind of loading.

(4) Maximum stress and/or bending moment for which each member is designed, when not readily apparent from (3).

(5) Horizontal and vertical reactions at column bases.

4. **Mechanical drawings.** These drawings with specifications shall show the complete heating, steam piping and ventilation systems; plumbing, drainage and stand pipe systems; and laundry.

(a) **Heating, steam piping and ventilation.**

(1) Radiators and steam heated equipment, such as sterilizers, warmers and steam tables.

(2) Heating and steam mains and branches with pipe sizes.

(3) Diagram of heating and steam risers with pipe sizes.

(4) Sizes, types and heating surfaces of boilers, furnaces, with stokers and oil burners, if any.

(5) Pumps, tanks, boiler breeching and piping and boiler room accessories.

(6) Air conditioning systems with refrigerators, water and refrigerant piping, and ducts.

(7) Exhaust and supply ventilating systems with steam connections and piping.

(b) **Plumbing, drainage and stand pipe systems.** (1) Size and elevation of: Street sewer, house sewer, house drains, street water main and water service into the building.

(2) Location and size of soil, waste, and vent stacks with connections to house drains, fixtures and equipment.

(3) Size and location of hot, cold and circulating mains, branches and risers from the service entrance and tanks.

(4) Riser diagram to show all plumbing stacks with vents, water risers and fixture connections.

(5) Gas, oxygen and special connections.

(6) Standpipe system.

(7) Plumbing fixtures and fixtures which require water and drain connections.

(c) **Elevators and dumbwaiters.** Shaft details and dimensions, size car platform and doors; travel, pit and machine room.

(d) Kitchens, Laundry Refrigeration and Laboratories shall be detailed at a satisfactory scale to show the location; size and connection of all fixed and movable equipment.

5. **Electrical drawings.** Drawings shall show all electrical wiring, outlets, and equipment which require electrical connections.

(a) Electrical service entrance with service switches, service feeders to the public service feeders and characteristics of the light and power current. Transformers and their connections if located in the building, shall be shown.

(b) Plan and diagram showing main switchboard, power panels, light panels and equipment. Feeder and conduit sizes shall be shown with schedule of feeder breakers or switches.

(c) Light outlets, receptacles, switches, power outlets and circuits.

(d) Telephone layout showing service entrance, telephone switchboard, strip boxes, telephone outlets and branch conduits as approved by the Telephone Co. Where public telephones are used for inter-communication, provide separate room and conduits for racks and automatic switching equipment as required by the Telephone Company.

(e) Nurses' call systems with outlets for beds, duty stations, door signal lights, annunciators and wiring diagrams.

(f) Doctors' call and doctors' in-and-out systems with all equipment wiring, if provided.

(g) Fire alarm system with stations, gongs, control board and wiring diagrams.

(h) Emergency lighting system with outlets, transfer switch, source of supply, feeders and circuits.

6. **Additions to existing projects.** (a) Procedures and requirements for working drawings and specifications to be followed and in addition the following information shall be submitted:

(1) Type of activities within the existing building and distribution of existing beds, etc.

(2) Type of construction of existing building and number of stories high.

(3) Plans and details showing attachment of new construction to the existing structure and mechanical systems.

(B) Specifications shall supplement the drawings and shall comply with the following:

1. The specifications shall fully describe, except where fully indicated and described on the drawings, the materials, workmanship, the kind, sizes, capacities, finishes and other characteristics of all materials, products, articles and devices.
2. The specifications shall include:
  - (a) Cover or title sheet.
  - (b) Index.
  - (c) Invitation for bids.
  - (d) General conditions.
  - (e) Wage schedule, section 2, Labor Standards and Kickback Regulations.
  - (f) General requirements.
  - (g) Sections describing material and workmanship in detail for each class of work.
  - (h) Form of bid bond.
  - (i) Bid form.
  - (j) Form of agreement.
  - (k) Performance and payment bond forms.
3. In order to obtain a standard procedure Standard Specification Forms will be furnished to the State Agency as a guide to the Architect.

(C) Estimates shall show in convenient form and detail the probable total cost of the work to be performed under the contract for construction of new buildings, expansion, remodeling and alteration of existing buildings including provision of fixed equipment contemplated by plans and specifications.

**IV Equipment—General.** Equipment necessary for the functioning of the facility as planned shall be provided in the kind and to the extent required to perform the desired service. The necessary equipment shall be included in the cost of the project and is considered an essential part of the project.

**Definition of equipment.** The term "equipment" as used herein means all items necessary for the functioning of all services of the facility, including such services as accounting and records, maintenance of buildings and grounds, laundry service, public waiting rooms, public health, and related services. The term "equipment" does not include items of current operating expense such as food, fuel, drugs, dressings, paper, printed forms, soap, and the like.

**Classification of equipment.** All equipment shall be classified in three groups as indicated below; the basis of classification being the usual methods of purchasing the equipment and suggested accounting practices in regard to depreciation.

**Group I. Built-in equipment included in construction contracts.** 1. Hospital cabinets and counters, laboratory and pharmacy cabinets, X-ray darkroom equipment, cubicle curtain equipment, shades and venetian blinds and any other built-in equipment, including items which have been included previously under Sections II and III of the General Standards such as: Kitchen equipment, laundry chutes, elevators, dumbwaiters, boilers, incinerators, refrigerating equipment, sterilizing equipment, surgical lighting and the like.

**Group II. Depreciable equipment of five years' life or more normally purchased through other than construction contracts.** 1. Large items of furniture and equipment having a reasonably fixed location in the building but capable of being moved.

2. Example: Furniture, surgical apparatus, diagnostic and therapeutic equipment, office machines, dental equipment, laboratory and pharmacy equipment (except cabinets) wheeled equipment and the like.

**Group III. Non-depreciable equipment of less than five years' life normally purchased through other than construction contract.** 1. Small items of low unit cost and suited to storeroom control.

2. Examples. Chinaware, silverware, kitchen utensils, bedside lamps, waste baskets, bed pans, dressing jars, catheters, surgi-

cal instruments, linens, sheets, blankets, mattresses and the like.

It shall be the responsibility of the applicant to select and purchase all necessary equipment for the complete functioning of all services included in the project in accordance with these standards and any further standards prescribed by the State Agency.

It is essential that the equipment shall be properly apportioned and budgeted to the various services of the facility so that unduly expensive or elaborate equipment is not provided for some services of the project, necessitating the use of cheap and inadequate equipment for other services.

As soon as possible after the award of the construction contract, the applicant shall submit to the Surgeon General through the State Agency for approval a complete list in triplicate of all proposed Groups II and III equipment, including itemized estimate of cost.

#### APPENDIX B—MERIT SYSTEM POLICIES OF THE PUBLIC HEALTH SERVICE

**Introduction.** The Public Health Service is in accord with other Federal agencies and leaders in the field of public administration who recognize the principle that a system of personnel administration on a merit basis is the most effective method of securing and retaining qualified personnel. The employment of qualified personnel is considered a prerequisite of efficient administration, without which the purposes of sections 314, 623, and 653, of the Public Health Service Act as amended may not effectively be achieved.

Accordingly, the regulations of the Public Health Service contain provisions relative to the establishment of merit systems of personnel administration in State and local health departments and other State agencies administering programs assisted by grants-in-aid from the Public Health Service. Under these regulations the Public Health Service reviews merit systems to determine their conformity with accepted standards of personnel administration.

The application of these policies is required as evidence that minimum standards of efficient personnel administration have been met. They are herewith adopted by the Public Health Service as standards for evaluating compliance with § 51.12 of the regulations governing grants to States and § 53.123 of the regulations governing the administration of the Hospital and Medical Facilities Survey and Construction program.

#### JURISDICTION

These standards are applicable to all personnel, both State and local, engaged in the administration of programs under titles I, III, IV V and X of the Social Security Act, under the Public Health Service Act, and under the Wagner-Peyser Act, as amended, except those hereinafter exempted. The agencies administering these programs are referred to as State agencies.

At the option of the State agencies, the following positions in the several programs may be exempted from application of these standards: members of State and local boards or commissions; members of advisory councils or committees or similar boards paid only for attendance at meetings; State and local officials serving ex officio and performing incidental administrative duties; the executive head of each State agency; one confidential secretary to any of the foregoing exempted officials; janitors; part-time professional personnel who are paid for any form of medical, nursing or other professional service, and who are not engaged in the performance of administrative duties; attorneys serving as legal counsel; members of unemployment compensation appeals tribunals and boards of review representing employer and employee interests. Upon request of the State health authority to the Public Health Service or Children's Bureau,

as applicable, exemption of hospital and sanatoria and local health department personnel from application of these standards will be considered on the basis of State and local administration.

#### MERIT SYSTEM ORGANIZATION

If a State has a State-wide civil service system operating under standards substantially equivalent to those herein provided, such State civil-service system should be applicable to the State agencies as defined above.

In the absence of a State civil service system with substantially equivalent standards, there will be established a merit system administered by an impartial body herein referred to as the Merit System Council, the members of which are appointed by the administrative agencies or by the Governor on recommendation of the administrative agencies, for stated overlapping terms, and no member of which is otherwise employed as an official or employee of any of the State agencies affected.

In the interests of economy and of efficient administration a joint merit system should serve all the State agencies as defined above unless, because of special circumstances, it is not feasible to establish such a joint system.

#### PROHIBITION OF DISCRIMINATION

Disqualification of any person from taking an examination, from appointment to a position, from promotion, or from holding a position because of political or religious opinions or affiliations will be prohibited.

#### LIMITATION OF POLITICAL ACTIVITY

Participation of any employee of the State agencies, except those hereinbefore exempted, in political activity will be prohibited except that an employee should have the right freely to express his views as a citizen and to cast his vote. Such prohibited political activity will include in substance the activities prohibited in the rules of the United States Civil Service Commission.

#### CLASSIFICATION PLAN

A classification plan for all positions in the agency, based upon investigation and analysis of the duties and responsibilities of each position, will be established and maintained. The classification plan will include an appropriate title for each class of position, a description of the duties and responsibilities of positions in the class, and requirements of minimum training, experience, and other qualifications suitable for the performance of the duties of the position.

#### COMPENSATION PLAN

A plan of compensation for all classes of positions in the agency will be established and maintained. Such plan will include salary schedules for the various classes in which the salary of a class is adjusted to the responsibility and difficulty of the work. The salary range for each class will consist of minimum, intervening, and maximum rates of pay to provide for salary adjustments within the range. In arriving at such salary schedules, consideration will be given to the prevailing rates for comparable positions in other departments of the State and to other relevant factors. The State administrative agencies will adopt plans for salary increases based upon quality and length of service. Salary laws and rules and regulations uniformly applicable to departments of the State government will be given consideration in the formulation of the compensation plan.

#### RECRUITMENT AND APPOINTMENT OF PERSONNEL

All positions in the State agencies, except those hereinbefore exempted, will be filled by personnel selected on the basis of merit, and in accordance with standards and procedures set forth in rules and regulations



for the merit system adopted by the State agency or the State civil-service authority.

Regulations governing the administration of examinations will include the following provisions:

Examinations will be administered by a Merit System Supervisor, appointed under the merit system. Qualifications for the supervisor will include training and experience in a field related to merit system administration, and known sympathy with the principles of the merit system.

Applicants admitted to examinations will meet the minimum requirements for the positions for which they apply as set forth in the specifications for the positions.

Examinations for entrance to the service will be conducted on an open competitive basis, with adequate publicity, and with a reasonable period for filing applications.

Examinations will be practical in nature, constructed to reveal the capacity of the applicant for the position for which he is competing and his general background and related knowledge, and will be rated objectively. A practical written test will be included, except that where exceptional qualifications of a scientific or professional character are required, and competition through an assembled examination is impracticable, an unassembled examination may be held.

Examinations will also include: A rating of training and experience for the more responsible positions; an oral examination for positions requiring frequent contact with the public, or which involve important supervisory or administrative duties; and a performance test for positions involving the operation of office machines.

The Merit System Supervisor will prepare and establish registers of eligibles in the order of their final scores and will maintain the registers, make certification of eligibility, and keep all examination records.

All positions, not specifically exempted herein, are to be filled from registers of eligibles, except for emergency and provisional appointments for limited periods. Appointments will be made by selection from a limited number of the highest available eligibles on the appropriate register.

In the absence of an appropriate register, provisional appointments may be made pending competitive examination, provided each provisional appointee is certified by the Merit System Supervisor as meeting at least the minimum qualifications established for the class of position, and further provided that no individual may receive successive provisional or emergency appointments.

Personnel selected from registers to fill permanent positions will serve a fixed probationary period. Permanent appointment will be based upon an evaluation in writing of the performance of the employee during the probationary period.

An employee of an agency who has received appointment under a merit system with standards substantially comparable to these will retain the status held by him under such merit system in the event the State agency is placed under the jurisdiction of another merit system.

An employee of an agency in which no comparable merit system has been in operation may, upon the extension of the merits system to such agency, obtain status either through open competitive or qualifying examination as specified in the merit system rules and regulations. Such rules and regulations may permit an employee in the service of the agency to be automatically admitted to the examination covering the position held by him, and may permit him to be retained at the discretion of the State agency, providing he attains a passing grade in such examination.

#### PROMOTIONS

Whenever practicable a vacancy will be filled by promotion of a qualified permanent

employee of the agency upon the basis of capacity, and quality and length of service.

Eligibility of an employee for promotion will be determined on recommendation of the agency and certification by the Merit System Supervisor that the employee meets the minimum requirements and is qualified for promotion to the class of position in question.

#### FURLONGHS AND SEPARATIONS

Regulations will be established by the agencies governing furloughs, suspensions, and separations, and governing leaves and the conditions for payment of salary at termination of services. Such regulations will include provisions for adequate competition among employees in classes affected by reduction in force, and for retention of employees based upon systematic consideration of type of appointment, length of service and efficiency.

Employees who have completed the required probationary period of appointment and acquire permanent status will not be subject to separation except for cause, or for reasons of curtailment of work or lack of funds. In the event of separation, permanent employees will have the right of appeal to an impartial body through an established procedure provided for in the merit system rules.

#### SERVICE RATINGS

A system of periodic service ratings for the evaluation of performance will be maintained. The manner in which such ratings are to be used in promotions, salary increases, and separations will be provided for by agency regulation.

#### PERSONNEL RECORDS AND REPORTS

Such personnel records as are necessary for the proper maintenance of a merit system and effective personnel administration will be maintained by the State administrative agency. Periodic reports will be published by the Merit System Council.

[F. R. Doc. 55-27; Filed, Jan. 4, 1955; 8:45 a. m.]

## TITLE 14—CIVIL AVIATION

### Chapter I—Civil Aeronautics Board

[Reg. No. SR-409]

#### PART 40—SCHEDULED INTERSTATE AIR CARRIER CERTIFICATION AND OPERATION RULES

##### SPECIAL CIVIL AIR REGULATION AUTHORIZATION FOR ADMINISTRATOR TO EXTEND EFFECTIVE DATE OF REQUIREMENT FOR FUEL PRESSURE WARNING DEVICES UNDER CERTAIN CONDITIONS

Adopted by the Civil Aeronautics Board at its office in Washington, D. C., on the 30th day of December 1954.

Section 40.172 (k) of Part 40 of the Civil Air Regulations requires that on and after January 1, 1955, all airplanes shall be equipped with an independent fuel pressure warning device for each engine, or a master warning device for all engines with means for isolating the individual warning circuits from the master warning device.

It has been brought to the Board's attention that certain air carriers will be unable to meet the January 1, 1955, deadline for compliance with § 40.172 (k) but only with respect to a relatively few airplanes. This situation exists because of certain necessary readjustments in overhaul schedules. Since the modification requires extensive rewiring, it would be extremely difficult or impossible to per-

form the work in the field. The Board does not believe, however, that the requirement is so critical to safety that the aircraft involved should be grounded until the modifications have been accomplished particularly since it appears that such modifications will be completed by May 1, 1955.

The authorization provided by this regulation permits the Administrator to extend the compliance date of § 40.172 (k) for a period of time up to but not beyond May 1, 1955, when he finds that the air carrier has made a diligent effort to comply with the requirement, but is unable to do so for reasons not wholly within its control and when such air carrier has shown that it will comply with the requirement by May 1, 1955.

Since this regulation is minor in nature, notice and public procedure hereon are unnecessary. In addition, since this regulation imposes no additional burden on any person, it may be made effective without prior notice.

In consideration of the foregoing the Civil Aeronautics Board hereby makes and promulgates the following Special Civil Air Regulation, effective immediately to read as follows:

Contrary provisions of the Civil Air Regulations notwithstanding, the Administrator may, upon application made by an air carrier, extend the effective date of the requirements for fuel pressure warning devices as contained in § 40.172 (k) of Part 40 of the Civil Air Regulations: *Provided*, That the Administrator finds that such air carrier has made a diligent effort to comply with the requirement, but is unable to do so for reasons not wholly within its control and that such air carrier has shown that it will comply with the requirement by May 1, 1955.

This regulation shall terminate May 1, 1955, unless sooner superseded or rescinded.

(Sec. 205, 52 Stat. 984; 49 U. S. C. 425. Interpret or apply sec. 601, 604, 52 Stat. 1007, 1010, as amended; 49 U. S. C. 551, 554)

By the Civil Aeronautics Board.

[SEAL] M. C. MULLIGAN,  
Secretary.

[F. R. Doc. 55-62; Filed, Jan. 4, 1955; 8:49 a. m.]

### Chapter II—Civil Aeronautics Administration, Department of Commerce

[Amdt. 80]

#### PART 610—MINIMUM EN ROUTE IFR ALTITUDES

##### MISCELLANEOUS AMENDMENTS

The minimum en route IFR altitudes appearing hereinafter have been coordinated with interested members of the industry in the regions concerned insofar as practicable. The altitudes are adopted without delay in order to provide for safety in air commerce. Compliance with the notice, procedures, and effective date provisions of section 4 of the Administrative Procedure Act would be impracticable and contrary to the public interest, and therefore is not required.

Part 610 is amended as follows: (Listed items to be placed in appropriate sequence in the sections indicated.)

**1. Section 610.20 Green Civil Airway  
No. 10 is added to read:**

From—	To—	Minimum altitude
U. S. Canadian Boundary. Bellingham Wash. (LFR).	Bellingham, Wash. (LFR).	1,500
Everett, Wash. (LFR).	Everett, Wash. (LFR).	4,000
Seattle, Wash. (LFR).	Seattle, Wash. (LFR).	2,500
Seattle, Wash. (LFR).	Ellensburg, Wash. (LFR).	8,000
Ellensburg, Wash. (LFR).	Int. NW crs. Yakima, Wash. (LFR), and S crs. Ellensburg, Wash. (LFR).	5,500
Int. NW crs. Yakima, Wash. (LFR), and S crs. Ellensburg, Wash. (LFR).	Yakima, Wash. (LFR).	4,500
Yakima, Wash. (LFR).	Pendleton, Oreg. (LFR).	5,000
Pendleton, Oreg. (LFR).	Baker, Oreg. (LFR)...	10,000
Baker, Oreg. (LFR)...	Boise, Idaho (LFR)...	9,000
Payette, Idaho (FM)...	Boise, Idaho (LFR) (southeast-bound only).	5,500
Boise, Idaho (LFR)...	King Hill (INT), Idaho.	9,000
King Hill (INT)	Burley, Idaho (LFR).	7,000
Mountain Home, Idaho (FM).	Boise, Idaho (LFR) (northwest-bound only).	7,600
Burley, Idaho (LFR)...	Malad City, Idaho (LFR).	11,000
Malad City, Idaho (LFR).	Kemmerer (INT), Wyo.	12,000
Kemmerer (INT), Wyo.	Rock Springs, Wyo. (LFR).	10,000
Rock Springs, Wyo. (LFR).	Sinclair, Wyo. (LFR).	10,000
Sinclair, Wyo. (LFR).	Medicine Bow (INT), Wyo.	11,000
Medicine Bow (INT), Wyo.	Two Rivers (INT), Wyo.	11,000
Two Rivers (INT), Wyo.	Laramie, Wyo. (LFR).	10,500
Laramie, Wyo. (LFR).	Dacono (INT), Colo.	11,500
Dacono (INT), Colo.	Denver, Colo. (LFR).	7,500

<sup>1</sup> 4,000'—Minimum crossing altitude at Seattle (LFR), eastbound.

<sup>2</sup> 4,500'—Minimum crossing altitude at Pendleton (LFR), southeast-bound.

<sup>3</sup> 9,000'—Minimum crossing altitude at King Hill (INT), northwest-bound.

<sup>4</sup> 7,500'—Minimum crossing altitude at Burley (LFR), eastbound.

<sup>5</sup> 11,000'—Minimum crossing altitude at Sinclair (LFR), eastbound.

<sup>6</sup> 10,500'—Minimum crossing altitude at Laramie (LFR), southeast-bound.

<sup>7</sup> 10,500'—Minimum crossing altitude at Dacono (INT), northwest-bound.

**2. Section 610.101 Amber Civil Airway  
No. 1 is amended to delete:**

From—	To—	Minimum altitude
Seattle, Wash. (LFR).	Everett, Wash. (LFR).	2,500
Everett, Wash. (LFR).	Bellingham, Wash. (LFR).	4,000
Bellingham, Wash. (LFR).	U. S. Canadian Boundary.	1,500

**3. Section 610.101 Amber Civil Airway  
No. 1 is amended by adding:**

From—	To—	Minimum altitude
Seattle, Wash. (LFR).	Port Gamble (INT), Wash.	2,000
Port Gamble (INT), Wash.	Dungeness (INT), Wash.	5,000
Dungeness (INT), Wash.	Patricia Bay, British Columbia (LFR).	2,500

<sup>1</sup> 3,000'—Minimum crossing altitude at Port Gamble (INT), eastbound.

<sup>2</sup> 4,000'—Minimum crossing altitude at Dungeness (INT), southbound.

<sup>3</sup> For that airspace over U. S. territory.

**4. Section 610.108 Amber Civil Airway  
No. 8 is amended by adding:**

From	To—	Minimum altitude
The Dalles, Oreg. (LFR).	Yakima, Wash. (LFR)	8,000
Yakima, Wash. (LFR).	Int. NW crs. Yakima, Wash. (LFR), and S crs. Ellensburg, Wash. (LFR).	4,500
Int. NW crs. Yakima, Wash. (LFR), and S crs. Ellensburg, Wash. (LFR).	Ellensburg, Wash. ....	5,500

**5. Section 610.201 Red Civil Airway  
No. 1 is amended to delete:**

From—	To—	Minimum altitude
Portland, Oreg. (LFR).	The Dalles, Oreg. (LFR).	7,000
The Dalles, Oreg. (LFR).	Pendleton, Oreg. (LFR).	4,000
La Grande, Oreg. (FM).	Pendleton, Oreg. (LFR) (northwest- bound only).	7,000
Pendleton, Oreg. (LFR).	Baker, Oreg. (LFR)...	10,000
Baker, Oreg. (LFR)...	Boise, Idaho (LFR)...	9,000
Payette, Idaho (FM)...	Boise, Idaho (LFR) (southeast-bound only).	5,500
Mountain Home, Idaho (FM).	Boise, Idaho (LFR) (northwest-bound only).	7,600
Boise, Idaho (LFR)...	King Hill (INT), Idaho.	9,000
King Hill (INT), Idaho.	Burley, Idaho (LFR).	7,000
Burley, Idaho (LFR).	Malad City, Idaho (LFR).	11,000
Malad City, Idaho (LFR).	Kemmerer (INT), Wyo.	12,000
Kemmerer (INT), Wyo.	Rock Springs, Wyo. (LFR).	10,000
Two Rivers (INT), Wyo.	Laramie, Wyo. (LFR).	10,500
Laramie, Wyo. (LFR).	Dacono (INT), Colo.	11,500

<sup>1</sup> 4,000'—Minimum crossing altitude at Portland (LFR), eastbound.

<sup>2</sup> 4,500'—Minimum crossing altitude at Pendleton (LFR), southeast-bound.

<sup>3</sup> 9,000'—Minimum crossing altitude at King Hill (INT), northwest-bound.

<sup>4</sup> 7,500'—Minimum crossing altitude at Burley (LFR), eastbound.

<sup>5</sup> 10,500'—Minimum crossing altitude at Laramie (LFR), southeast-bound.

<sup>6</sup> 10,500'—Minimum crossing altitude at Dacono (INT), northwest-bound.

**6. Section 610.205 Red Civil Airway  
No. 5 is amended to read:**

From—	To—	Minimum altitude
Sioux Falls, S. Dak. (LFR).	Minneapolis, Minn. (LFR).	3,000
Jordan, Minn. (FM)...	Minneapolis, Minn. (LFR), (eastbound only).	2,500

**7. Section 610.206 Red Civil Airway  
No. 6 is amended by adding:**

From—	To—	Minimum altitude
North Platte, Nebr. (LFR).	Grand Island, Nebr. (LFR).	4,100

**8. Section 610.253 Red Civil Airway  
No. 53 is added to read:**

From—	To—	Minimum altitude
Portland, Oreg. (LFR).	The Dalles, Oreg. (LFR).	7,000
The Dalles, Oreg. (LFR).	Pendleton, Oreg. (LFR).	4,000
Pendleton, Oreg. (LFR).	Walla Walla, Wash. (LFR).	5,000
Walla Walla, Wash. (LFR).	Spokane, Wash. (LFR).	5,500

<sup>1</sup> 4,000'—Minimum crossing altitude at Portland (LFR), eastbound.

**9. Section 610.258 Red Civil Airway  
No. 58 is added to read:**

From—	To—	Minimum altitude
Augusta, Maine (LFR).	Bangor Maine (LFR).	2,300
Old Town (INT), Maine.	U. S. Canadian Boundary.	2,500

**10. Section 610.280 Red Civil Airway  
No. 80 is amended by adding:**

From—	To—	Minimum altitude
Avon (INT), Mont. ....	Craig (INT), Mont. ....	9,500
Craig (INT), Mont. ....	Great Falls, Mont. (LFR).	8,500
Great Falls, Mont. (LFR).	Lewistown, Mont. (LFR).	9,000
Lewistown, Mont. (LFR).	Forest Grove (INT), Mont.	8,000

<sup>1</sup> 6,600'—Minimum crossing altitude at Great Falls, (LFR), southwest-bound.

<sup>2</sup> 6,800'—Minimum crossing altitude at Great Falls (LFR), eastbound.

**11. Section 610.301 Red Civil Airway  
No. 101 is amended by adding:**

From—	To—	Minimum altitude
Tampa, Fla. (LFR)....	Ona (INT), Fla. ....	1,200

**12. Section 610.309 Red Civil Airway  
No. 109 is added to read:**

From—	To—	Minimum altitude
Portland, Oreg. (LFR).	The Dalles, Oreg. (LFR).	7,000
The Dalles, Oreg. (LFR).	Yakima, Wash. (LFR).	8,000
Yakima, Wash. (LFR).	Int. NW crs. Yakima, Wash. (LFR), and S crs. Ellensburg, Wash. (LFR).	4,500
Int. NW crs. Yakima, Wash. (LFR), and S crs. Ellensburg, Wash. (LFR).	Ellensburg, Wash. (LFR).	5,500
Ellensburg, Wash. (LFR).	Ephrata, Wash. (LFR).	7,000
Trinidad (INT), Wash.	Ephrata, Wash. (LFR) (eastbound only).	4,000
Ephrata, Wash. (LFR).	Spokane, Wash. (LFR).	5,000
Harrington, Wash. (FM).	Ephrata, Wash. (LFR) (westbound only).	4,000

<sup>1</sup> 4,000'—Minimum crossing altitude at Portland (LFR), eastbound.

13. Section 610.601 Blue Civil Airway No. 1 is amended to delete:

From—	To—	Minimum altitude
Pendleton, Oreg. (LFR).	Walla Walla, Wash. (LFR).	5,000
Walla Walla, Wash. (LFR).	Spokane, Wash. (LFR).	5,500

14. Section 610.612 Blue Civil Airway No. 12 is amended to delete:

From—	To—	Minimum altitude
The Dalles, Oreg. (LFR).	Yakima, Wash. (LFR).	8,000
Yakima, Wash. (LFR).	Int. NW crs. Yakima, Wash. (LFR), and S crs. Ellensburg, Wash. (LFR).	4,500
Int. NW crs. Yakima, Wash. (LFR), and S crs. Ellensburg, Wash. (LFR).	Ellensburg, Wash. (LFR).	5,500

15. Section 610.616 Blue Civil Airway No. 16 is amended to delete:

From—	To—	Minimum altitude
Avon (INT), Mont....	Craig (INT), Mont....	9,500

16. Section 610.632 Blue Civil Airway No. 32 is amended to delete:

From—	To—	Minimum altitude
Pendleton, Oreg. (LFR).	Yakima, Wash. (LFR).	5,000
Seattle, Wash. (LFR)...	Port Gamble (INT), Wash.	2,000
Port Gamble (INT), Wash. <sup>1</sup>	Dungeness (INT), Wash. <sup>2</sup>	5,000
Dungeness (INT), Wash.	Patricia Bay, British Columbia (LFR).	2,500

<sup>1</sup> 3,000'—Minimum crossing altitude at Port Gamble (INT), northbound.  
<sup>2</sup> 4,000'—Minimum crossing altitude at Dungeness (INT), southbound.

17. Section 610.650 Blue Civil Airway No. 50 is amended to delete:

From—	To—	Minimum altitude
Augusta, Maine (LFR).	Bangor, Maine (LFR)	2,300
Old Town (INT), Maine.	U. S. Canadian Boundary.	2,500

18. Section 610.6002 VOR Civil Airway No. 2 is amended to read in part:

From—	To—	Minimum altitude
Rochester, N. Y. (VOR).	Fairville (INT), N. Y. <sup>1</sup>	2,000
Fairville (INT), N. Y. <sup>1</sup>	Syracuse, N. Y. (VOR).	2,000

<sup>1</sup> 3,000'—Minimum reception altitude.

19. Section 610.6004 VOR Civil Airway No. 4 is amended to read in part:

From—	To—	Minimum altitude
Columbia, Mo. (VOR).	New Florence (INT), Mo. <sup>1</sup>	2,100
New Florence (INT), Mo.	Monroe (INT), Mo. <sup>1</sup>	2,100
Monroe (INT), Mo....	St. Louis, Mo. (VOR).	2,100

<sup>1</sup> 3,000'—Minimum reception altitude.

20. Section 610.6006 VOR Civil Airway No. 6 is amended to read in part:

From—	To—	Minimum altitude
Youngstown, Ohio (VOR).	Mercer (INT), Pa. <sup>1</sup> ...	2,600
Mercer (INT), Pa....	Brookville (INT), Pa. <sup>1</sup>	4,000
Brookville (INT), Pa.	Phillipsburg, Pa. (VOR).	4,000

<sup>1</sup> 4,000'—Minimum reception altitude.

21. Section 610.6008 VOR Civil Airway No. 8 is amended to read in part:

From—	To—	Minimum altitude
Mansfield, Ohio (VOR).	Fredricksburg (INT), Ohio. <sup>1</sup>	2,500
Fredricksburg (INT), Ohio.	Bergholz (INT), Ohio.	2,500
Bergholz (INT), Ohio..	Pittsburgh, Pa. (VOR).	2,700

<sup>1</sup> 4,000'—Minimum reception altitude.

22. Section 610.6012 VOR Civil Airway No. 12 is amended to read in part:

From—	To—	Minimum altitude
Columbia, Mo. (VOR).	New Florence (INT), Mo. <sup>1</sup>	2,100
New Florence (INT), Mo.	Monroe (INT), Mo. <sup>1</sup>	2,100
Monroe (INT), Mo....	St. Louis, Mo. (VOR).	2,100
Pittsburgh, Pa. (VOR).	Latrobe (INT), Pa. <sup>2</sup>	3,000
Latrobe (INT), Pa. (VOR).	Johnstown, Pa. (VOR).	4,500
Johnstown, Pa. (VOR).	Altoona (INT), Pa....	4,500
Altoona (INT), Pa....	Harrisburg, Pa. (VOR).	4,000

<sup>1</sup> 3,000'—Minimum reception altitude.  
<sup>2</sup> 4,000'—Minimum crossing altitude at Latrobe (INT), eastbound.

23. Section 610.6012 VOR Civil Airway No. 12 is amended by adding:

From—	To—	Minimum altitude
Pittsburgh, Pa. (VOR), via N alter.	New Alexandria (INT), Pa. <sup>1</sup> via N alter.	3,000
New Alexandria (INT), Pa., via N alter.	Johnstown, Pa. (VOR), via N alter.	4,500

<sup>1</sup> 4,000'—Minimum crossing altitude at New Alexandria (INT), southeast-bound.

24. Section 610.6014 VOR Civil Airway No. 14 is amended to read in part:

From—	To—	Minimum altitude
Rochester, N. Y. (VOR)	Fairville (INT) N. Y. <sup>1</sup>	2,000
Fairville (INT), N. Y. <sup>1</sup>	Syracuse, N. Y. (VOR)	2,000

<sup>1</sup> 3,000'—Minimum reception altitude.

25. Section 610.6030 VOR Civil Airway No. 30 is amended to read in part:

From—	To—	Minimum altitude
Youngstown, Ohio (VOR).	Mercer (INT), Pa. <sup>1</sup> ...	2,600
Mercer (INT), Pa....	Brookville (INT), Pa. <sup>1</sup>	4,000
Brookville (INT), Pa.	Phillipsburg, Pa. (VOR).	4,000

<sup>1</sup> 4,000'—Minimum reception altitude.

26. Section 610.6031 VOR Civil Airway No. 31 is amended to read in part:

From—	To—	Minimum altitude
Selinsgrove, Pa. (VOR)	Grover (INT), Pa. <sup>1</sup> ...	4,000
Grover (INT), Pa. <sup>1</sup> ....	Elmira, N. Y. (VOR).	4,000

<sup>1</sup> 5,000'—Minimum reception altitude.

27. Section 610.6033 VOR Civil Airway No. 33 is amended to read in part:

From—	To—	Minimum altitude
Bradford, Pa. (VOR)...	Olean (INT), Pa. <sup>1</sup> ....	4,500
Olean (INT), Pa. <sup>1</sup> ....	Buffalo, N. Y. (VOR).	4,500

<sup>1</sup> 6,000'—Minimum reception altitude.

28. Section 610.6034 VOR Civil Airway No. 34 is amended to read in part:

From—	To—	Minimum altitude
Binghamton, N. Y. (VOR).	Hancock (INT), Pa....	4,000
Hancock (INT), Pa....	Newburgh (INT), N. Y.	4,500
Newburgh (INT), N. Y.	Wilton, Conn. (VOR).	3,000

29. Section 610.6036 VOR Civil Airway No. 36 is amended to read in part:

From—	To—	Minimum altitude
Wilkes-Barre Scranton, Pa. (VOR).	Branchville (INT), N. J. <sup>1</sup>	3,500
Branchville (INT), N. J.	Paterson (INT), N. J.	3,000

<sup>1</sup> 4,500'—Minimum reception altitude.

**30. Section 610.6039 VOR Civil Airway No. 39 is amended to read in part:**

From—	To—	Minimum altitude
Allentown, Pa. (VOR).	Stroudsburg (INT), Pa.	3,000
Stroudsburg (INT), Pa.	Stillwater (INT), N. J. <sup>1</sup>	4,000
Stillwater (INT), N. J.	Branchville (INT), N. J. <sup>2</sup>	4,000
Branchville (INT), N. J.	Newburgh (INT), N. Y.	4,000
Newburgh (INT), N. Y.	Poughkeepsie, N. Y. (VOR).	3,000

<sup>1</sup> 6,000'—Minimum reception altitude.  
<sup>2</sup> 3,000'—Minimum terrain clearance altitude.  
<sup>3</sup> 4,000'—Minimum reception altitude.

**31. Section 610.6042 VOR Civil Airway No. 42 is amended to read in part:**

From—	To—	Minimum altitude
Cleveland, Ohio (VOR).	Atwater (INT), Ohio.	2,500
Atwater (INT), Ohio.	Sebring (INT), Ohio.	3,500
Sebring (INT), Ohio.	Pittsburgh, Pa. (VOR).	2,600

<sup>1</sup> 3,500'—Minimum reception altitude.  
<sup>2</sup> 2,500'—Minimum terrain clearance altitude.

**32. Section 610.6042 VOR Civil Airway No. 42 is amended by adding:**

From—	To—	Minimum altitude
Pittsburgh, Pa. (VOR).	Latrobe (INT), Pa. <sup>1</sup>	3,000
Latrobe (INT), Pa.	Johnstown, Pa. (VOR)	4,500
Johnstown, Pa. (VOR).	Martinsburg, W. Va. (VOR).	4,500
Martinsburg, W. Va. (VOR).	Dawsonville (INT), Va.	3,000

<sup>1</sup> 4,000'—Minimum crossing altitude at Latrobe (INT), eastbound.

**33. Section 610.6043 VOR Civil Airway No. 43 is amended to read in part:**

From—	To—	Minimum altitude
Columbus, Ohio (VOR).	Tiverton (INT), Ohio.	2,500
Tiverton (INT), Ohio.	Fredericksburg (INT), Ohio. <sup>1</sup>	4,000
Fredericksburg (INT), Ohio.	Marchand (INT), Ohio.	4,000
Marchand (INT), Ohio.	Youngstown, Ohio (VOR).	2,500

<sup>1</sup> 4,000'—Minimum reception altitude.  
<sup>2</sup> 2,500'—Minimum terrain clearance altitude.

**34. Section 610.6044 VOR Civil Airway No. 44 is amended by adding:**

From—	To—	Minimum altitude
York, Ky. (VOR).....	Parkersburg, W. Va. (VOR).	2,500

**35. Section 610.6045 VOR Civil Airway No. 45 is amended by adding:**

From—	To—	Minimum altitude
Lexington, Ky. (VOR).	York, Ky. (VOR).....	2,600
York, Ky. (VOR).....	Columbus, Ohio	2,500

**36. Section 610.6072 VOR Civil Airway No. 72 is amended to read in part:**

From—	To—	Minimum altitude
Youngstown, Ohio (VOR).	Hadley (INT), Pa. <sup>1</sup> ...	2,500
Hadley (INT), Pa.	Hickory (INT), Pa. <sup>2</sup>	4,000
Hickory (INT), Pa.	Bradford, Pa. (VOR).	4,000
Binghamton, N. Y. (VOR)	Sidney (INT), N. Y. <sup>3</sup>	3,500
Sidney (INT), N. Y.	Albany, N. Y. (VOR).	4,500

<sup>1</sup> 4,000'—Minimum reception altitude.  
<sup>2</sup> 5,000'—Minimum reception altitude.  
<sup>3</sup> 3,500'—Minimum crossing altitude at Sidney (INT), eastbound.

**37. Section 610.6106 VOR Civil Airway No. 106 is amended by adding:**

From—	To—	Minimum altitude
Morgantown, W. Va. (VOR), via N. alter.	Johnstown, Pa. (VOR), via N. alter.	4,500
Morgantown, W. Va. (VOR).	Johnstown, Pa. (VOR).	5,000
Johnstown, Pa. (VOR).	Phillipsburg, Pa. (VOR).	4,000
Phillipsburg, Pa. (VOR).	Selinsgrove, Pa. (VOR).	4,000

**38. Section 610.6116 VOR Civil Airway No. 116 is amended to read in part:**

From—	To—	Minimum altitude
Bradford, Pa. (VOR).	Stonyfork (INT), Pa.	4,500
Stonyfork (INT), Pa.	Grover (INT), Pa. <sup>1</sup> ...	5,000
Grover (INT), Pa.	Colley (INT), Pa.	5,000
Colley (INT), Pa.	Wilkes-Barre-Scranton, Pa. (VOR).	4,500
Wilkes-Barre-Scranton, Pa. (VOR).	Branchville (INT), N. J. <sup>2</sup>	3,500
Branchville (INT), N. J.	Paterson (INT), N. J.	3,000

<sup>1</sup> 5,000'—Minimum reception altitude.  
<sup>2</sup> 4,500'—Minimum terrain clearance altitude.  
<sup>3</sup> 4,500'—Minimum reception altitude.

**39. Section 610.6128 VOR Civil Airway No. 128 is amended by adding:**

From—	To—	Minimum altitude
Cincinnati, Ohio (VOR).	York, Ky. (VOR).....	2,500
York, Ky. (VOR).....	Charleston, W. Va. (VOR).	2,500

**40. Section 610.6164 VOR Civil Airway No. 164 is amended to read in part:**

From—	To—	Minimum altitude
Grover (INT), Pa. <sup>1</sup> ...	Wilkes-Barre-Scranton, Pa. (LFR).	4,000

<sup>1</sup> 5,000'—Minimum reception altitude.

(Sec. 205, 52 Stat. 984, as amended; 49 U. S. C. 425. Interpret or apply sec. 601, 52 Stat. 1007, as amended; 49 U. S. C. 551)

These rules shall become effective January 18, 1955.

[SEAL] F. B. LEE,  
 Administrator of Civil Aeronautics.

[F R. Doc. 55-26; Filed, Jan. 4, 1955; 8:45 a. m.]

## TITLE 49—TRANSPORTATION

### Chapter I—Interstate Commerce Commission

#### Subchapter A—General Rules and Regulations

[S. O. 898, Amdt. 2]

#### PART 95—CAR SERVICE

##### CHICAGO, ROCK ISLAND AND PACIFIC RAILROAD CO.

At a session of the Interstate Commerce Commission, Division 3, held at its office in Washington, D. C., on the 30th day of December A. D. 1954.

Upon further consideration of Service Order No. 898 (19 F. R. 5112, 6478) and good cause appearing therefor. It is ordered, that:

Section 95.898 *Chicago, Rock Island and Pacific Railroad Company*, be, and it is hereby amended by substituting the following paragraph (d) for paragraph (d) thereof:

(d) *Expiration date.* This section shall expire at 11:59 p. m., April 10, 1955, unless otherwise modified, changed, suspended, or annulled by order of this Commission.

*Effective date.* This amendment shall become effective at 11:59 p. m., January 10, 1955.

It is further ordered, that copies of this amendment and direction shall be served upon the Texas railroad regulatory body and upon the Association of American Railroads, Car Service Division as agent of the railroads subscribing to the car service and per diem agreement under the terms of that agreement; and that notice of this order shall be given to the general public by depositing a copy in the office of the Secretary of the Commission at Washington, D. C., and by filing it with the Director, Division of the Federal Register.

(Sec. 12, 24 Stat. 383, as amended; 49 U. S. C. 12. Interprets or applies secs. 1, 15, 24 Stat.

379, as amended, 384, as amended; 49 U. S. C. 1, 15)

By the Commission, Division 3.

[SEAL] GEORGE W LAIRD,  
Secretary.

[F R. Doc. 55-72; Filed, Jan. 4, 1955;  
8:52 a. m.]

#### Subchapter D—Freight Forwarders

#### PART 420—TARIFFS AND CLASSIFICATIONS MISCELLANEOUS AMENDMENTS

In the matter of regulations governing the form and manner in which tariffs of freight forwarders shall be published, filed and posted.

At a session of the Interstate Commerce Commission, Division 2, held at its office in Washington, D. C., on the 10th day of December A. D. 1954.

It appearing that, on August 4, 1954, notice to the public was given of proposed changes to be made in the regulations governing the form and manner in which tariffs of freight forwarders shall be published, filed and posted, 19 F R. 5234; August 18, 1954, that no written objections have been expressed and that full consideration having been given to all the matters and things involved:

*It is ordered*, That the following regulations governing the construction, filing and posting of tariffs of freight forwarders are hereby approved and prescribed for all freight forwarders subject to Part IV of the Interstate Commerce Act.

*It is further ordered*, That Part 420 of this title be amended by deleting the title and entire text of present § 420.2 and by renumbering § 420.2a as § 420.2.

*It is further ordered*, That Part 420 of this title be further amended by deleting the entire text of §§ 420.1, 420.3 and 420.4 and substituting in lieu thereof the matter set forth below:

§ 420.1 *Form, publication and filing.* Tariffs of freight forwarders authorized under and required by the provisions of section 405 of the Interstate Commerce Act shall be constructed, published, and filed in accordance with the regulations which have been or may be adopted and promulgated in Tariff Circular No. 20, effective supplements thereto or successive issues thereof (See Part 141 of this chapter) so far as the same may be applicable.

§ 420.3 *Serial designation.* Tariffs of freight forwarders shall bear the numerical serial designation "I. C. C. F F No. -----" instead of the designation prescribed in the tariff circular above indicated.

§ 420.4 *Posting and filing at stations and offices.* Each freight forwarder shall post and file at each of its stations or offices which is in charge of a person employed exclusively by the freight for-

warder or by it jointly with another carrier and at which freight is received for transportation directly or through an agent, all of the tariffs containing rates, charges, classifications and rules or other provisions applying from, or at, such station or office. Each freight forwarder shall also maintain at its principal or general office a complete file of all tariffs issued by it or its agents. All such tariffs shall be kept open to public inspection.

*It is further ordered*, That this order shall become effective on the 10th day of March A. D. 1955.

*And it is further ordered*, That notice of this order shall be given to the general public by depositing a copy hereof in the Office of the Secretary of the Commission at Washington, D. C., and by filing it with the Director of the Division of the Federal Register.

(Sec. 403, 56 Stat. 285, 49 U. S. C. 1003. Interpret or apply sec. 405, 56 Stat. 287, 49 U. S. C. 1005)

By the Commission, Division 2.

[SEAL] GEORGE W LAIRD,  
Secretary.

[F R. Doc. 55-74; Filed, Jan. 4, 1955;  
8:52 a. m.]

## TITLE 43—PUBLIC LANDS: INTERIOR

### Chapter I—Bureau of Land Management, Department of the Interior

#### Subchapter U—State and Railroad Grants

[Circular No. 1896]

#### PART 272—CAREY ACT GRANTS

##### MISCELLANEOUS AMENDMENTS

1. Footnote 2 to § 272.1 is revised by adding the following:

The act of August 13, 1954 (68 Stat. 703) provides for the issuance of quitclaim deeds to the States for all lands patented to them under section 4 of the act of 1894 and also for the issuance of patents to the States, under certain conditions, for unpatented public lands segregated under that act as of August 13, 1954. The issuance of such quitclaims and patents to a State is conditional upon the State's quitclaiming or relinquishing all right, title, and interest in the State to any or all other lands under the Carey Act.

2. The following new text is added to Part 272.

##### QUITCLAIMS AND RELINQUISHMENTS

Sec.  
272.50 Statutory authority.  
272.51 Applications.

AUTHORITY: §§ 272.50 and 272.51 issued under the authority of 68 Stat. 703.

§ 272.50 *Statutory authority.* The act of August 13, 1954 (68 Stat. 703) directs the Secretary of the Interior to issue (a) quitclaim deeds to the public land States for all lands patented to such States under section 4 of the Carey Act of August 18, 1894 (28 Stat. 422; 43 U. S. C. 641) and (b) patents for all

unpatented public lands within each State segregated under that act as of August 13, 1954, for which the State issued final certificates or other evidence of right prior to June 1, 1953 or as to which equitable claims to the lands accrued prior to that date by reason of cultivation or improvement of the lands for agricultural development purposes. The act provides that the Secretary shall issue such deeds and patents to a State only if that State (1) makes proper application for the transfer of the lands before August 13, 1957, and (2) quitclaims or relinquishes all right, title, and interest in the State to any and all other lands under the Carey Act.

§ 272.51 *Applications.* Any State desiring to secure a patent, a quitclaim deed, or both under the act must file prior to August 13, 1957, a proper application in the land office for the State in which the desired lands are located. The application must be filed in duplicate and in a form satisfactory to the appropriate land office. No standard form is prescribed for the application but it must include the following:

(a) The legal description and acreage of the lands for which a quitclaim deed is desired, together with the numbers, if any, and, when feasible, the dates of the original patents to the lands.

(b) The legal description and acreage of the lands for which a patent is desired, together with (1) the numbers and dates of the segregation lists which segregated the lands and (2) the basis for certification of the listed lands under the act. Where the State has issued documentary evidence of a right to enter upon and cultivate the lands, the statement of the basis for certification need only be a reference to the number and date of such documents.

(c) A certification that the State prior to June 1, 1953 issued final certificates or other evidence of right to the listed segregated lands or, in the absence of such action, that equitable rights to such lands accrued prior to June 1, 1953, by reason of cultivation or improvement of the lands for agricultural development purposes.

(d) A quitclaim or relinquishment, effective as of the date of issuance of the requested patent and/or quitclaim deed, of all right, title, and interest in the State to any and all lands under the Carey Act other than those to which it is entitled under the act of August 13, 1954 (68 Stat. 703)

(e) An affidavit by the signing officer describing the authority which authorized him, on behalf of the State, to make application under the act and to quitclaim or relinquish the State's right, title, or interest in all other lands under the Carey Act.

CLARENCE A. DAVIS,  
Acting Secretary of the Interior

DECEMBER 29, 1954.

[F. R. Doc. 55-43; Filed, Jan. 4, 1955;  
8:45 a. m.]

# PROPOSED RULE MAKING

## DEPARTMENT OF AGRICULTURE

### Agricultural Marketing Service

#### [ 7 CFR Part 961 ]

[Docket No. AO-160-A-44-R01]

#### MILK IN THE PHILADELPHIA, PENNSYLVANIA, MARKETING AREA

#### NOTICE OF OPPORTUNITY TO PETITION FOR REOPENING OF HEARING

Pursuant to the provisions of the Agricultural Marketing Agreement Act of 1937, as amended (7 U. S. C. 601 et seq.) and the applicable rules of practice and procedure governing the formulation of marketing agreements and orders (7 CFR Part 900) a public hearing was conducted at Philadelphia, Pennsylvania, in several sessions, on August 12-13, 1952, pursuant to notice issued July 18, 1952 (17 F. R. 6749) and on January 28, 1953, February 24-27, 1953, and March 5-6, 1953, pursuant to a notice issued December 18, 1952 (including tentative findings and conclusions) (17 F. R. 11723) and a notice issued January 21, 1953 (18 F. R. 553).

Two issues of record remain for which the procedure is not complete, namely:

1. Butterfat differentials to be used in calculating values of milk of differing butterfat content, as received from individual producers, and as disposed of in various Class I uses by handlers; and

2. Prices applicable to producer milk sold outside the marketing area.

With respect to the issue of butterfat differentials, tentative findings and conclusions were filed with the Hearing Clerk December 18, 1952 (17 F. R. 11723) and a recommended decision containing proposed findings and conclusions was filed August 20, 1953 (18 F. R. 5101) both by the Assistant Administrator, Production and Marketing Administration. The tentative findings and conclusions filed with the Hearing Clerk on December 18, 1952 (17 F. R. 11723) related also to the issue of prices applicable to producer milk sold outside the marketing area.

The Department is prepared to issue decisions with respect to these two issues on the basis of the record of the public hearing which has been held. If any party has additional information which he desires the Department to consider prior to issuing such decisions, opportunity is given at this time to petition for reopening of the hearing. Such petitions should (1) state the nature and purpose of the evidence to be introduced, (2) show that such evidence is not merely cumulative, and (3) set forth good reason why such evidence was not adduced at the hearing. The petitions should be filed not later than January 15, 1955 with the Hearing Clerk, Room 1371, South Building, United States Department of Agriculture, Washington 25, D. C.

Dated: December 31, 1954, at Washington, D. C.

[SEAL] ROY W. LENNARTSON,  
Deputy Administrator

[F. R. Doc. 55-58; Filed, Jan. 4, 1955;  
8:48 a. m.]

## INTERSTATE COMMERCE COMMISSION

### [ 49 CFR Part 174 ]

#### SURETY BONDS AND POLICIES OF INSURANCE

#### NOTICE OF PROPOSED RULE MAKING

DECEMBER 9, 1954.

Proposed revision of rules governing the filing of insurance and other security by motor carriers and brokers subject to Part II of the Interstate Commerce Act.

Pursuant to section 4 (a) of the Administrative Procedure Act (60 Stat. 237, 5 U. S. C. 1003) notice is hereby given of the proposed revision of the rules and regulations relating to the filing of insurance or other security for the protection of the public required pursuant to sections 211 (c) and 215 of the Interstate Commerce Act. The revisions proposed to be made are set forth below. Except in respect of those revisions which are clearly self explanatory each revision is followed by an explanatory note covering its purpose and effect.

No oral hearing on the proposed revisions is contemplated; however interested parties may file with this Commission, within thirty days from the publication hereof, written statements of facts, opinions or arguments concerning the herein proposed revised rules and regulations. Any written statement so filed shall conform with the specifications provided in Rule 15 of the Commission's rules of practice. An original signed copy and six additional copies shall be furnished for use of the Commission.

Notice to the general public will be given by depositing a copy of this notice in the Office of the Secretary of the Commission for inspection, and by filing a copy with the Director, Division of the Federal Register.

By the Commission, Division 5.

[SEAL] GEORGE W. LAIRD,  
Secretary.

1. Section 174.1 (a) to be amended to read as follows:

(a) *Property damage, public liability.* Except as provided in paragraph (c) of this section, no common or contract carrier subject to part II of the Interstate Commerce Act shall engage in interstate or foreign commerce, and no certificate or permit shall be issued to such a carrier or remain in force unless and until there shall have been filed with and accepted by the Commission a surety bond, certificate of insurance, proof of qualifications as a self-insurer, or other securities or agreements, in the amounts prescribed in § 174.2, conditioned to pay any final judgment recovered against such motor carrier for bodily injuries to or the death of any person resulting from the negligent operation, maintenance or use of motor vehicles in transportation subject to part II, Interstate Commerce Act, or for loss of or damage to property of others.

*Explanation.* The purpose of this revision is to provide for "acceptance" of filings by

the Commission, rather than "approval" to make clear that certificates of insurance are required in lieu of actual policies; to delete certain wordage which is not intended to change the effect of the paragraph; and to delete provisions pertaining to carriers partially exempt from regulation and those whose rights are leased to others, which provisions will be included in proposed new paragraph (c) of this section.

2. Section 174.1 (b) which applies to cargo insurance required of common carriers in the same manner in which the preceding paragraph applies to public liability and property damage insurance of common and contract carriers, to be amended in exactly the same manner and to the same extent as the preceding paragraph, and to be further amended in respect of the list of commodities exempted from the requirements of this section by the following insertions:

a. Add to the entry "Bituminous concrete (also known as blacktop or amosite)" the following phrase, "including mixtures of asphalt paving"

b. Insert the new entry "Lime and limestone"

c. Add to the entry "Ores in bulk" the following phrase, "including ore concentrates"

d. Insert the new entries:

Other materials or commodities, of low value, upon specific application to and approval by the Commission.

Peat moss.

*Explanation.* The foregoing represent those commodity exemptions which have been approved since the last issue of the rules and regulations, while the "catch-all" phrase is self-explanatory.

3. A new paragraph (c) to be added to § 174.1 as follows to cover provisions which were formerly contained in § 174.1 (a) and (b)

(c) *Carriers partially exempt; leased rights.* The requirements of paragraphs (a) and (b) of this section shall not apply to motor carrier operations partially exempt from regulation by sections 202 (c) and 203 (b) (49 U. S. C. 302 (c) and 303 (b)) or to motor carriers which have, with the approval of the Commission, leased their entire operating rights to others, but only so long as the lessee of such rights, with the approval of the Commission, continues such operations. Lessors may not resume operations unless and until full compliance is effected.

4. A new paragraph (d) to be added to § 174.1 as follows, the provisions of which were formerly included in § 174.7 (e)

(d) *Continuing compliance required.* Such security as is accepted by the Commission in accordance with the requirements of sections 211 (c) and 215 of part II, Interstate Commerce Act, shall remain in effect at all times.

5. Section 174.4, which pertains to the security required from brokers, to be amended by inserting the words "firm or corporation" following the word "person" wherever it appears in this section, to make it clear that other than individuals may be considered within the meaning of the term "broker" as used herein.



6. Section 174.6 *Bonds and insurance policies* to be amended to read as follows:

§ 174.6 *Bonds and certificates of insurance.* Each certificate of insurance or surety bond filed with the Commission must be for the full limits of liability required under the regulations in this part: *Provided*, That only corporations or companies approved by the Commission may qualify to act as surety.

*Explanation.* The purpose of this revision is to provide that the section of Insurance, for the Commission, assumes the responsibility for approval of insurance and surety companies filing surety bonds with the Commission, rather than relying upon acceptance of such companies by the United States Treasury Department; also certain wordage has been deleted as redundant.

7. Section 174.7 *Forms and procedure* to be amended as follows as respects paragraphs (a) and (b)

(a) *Forms of endorsements and cancellation notices, etc.* Endorsements for policies of insurance, and surety bonds, certificates of insurance and applications to qualify as a self-insurer, or for approval of other securities or agreements, notices of cancellation and notices to rescind cancellation or reinstate policies of insurance and surety bonds must be in the form prescribed and approved by the Commission.

(b) *Filing of certificates of insurance and cancellation notices etc.* Certificates of insurance, surety bonds, notices of cancellation and notices to rescind cancellation or reinstate policies of insurance or surety bonds must be filed with the Commission in triplicate.

*Explanation.* The purpose of these revisions is to make it clear that notices to rescind cancellation or reinstate policies of insurance and surety bonds must be in the prescribed form; and to eliminate (from (b)) reference to the manner in which the filings are handled in the office of the Commission, which is a procedural matter.

8. Paragraph (b-1) *Filing of blanket certificate of insurance* of § 174.7 to be deleted in its entirety since the provisions thereof are now outmoded.

9. Paragraph (c) *Name of insured* of § 174.7 to be amended to read as follows:

(c) *Name of insured.* Certificates of insurance and surety bonds shall be issued in the full and correct name of the individual, partnership, corporation, or other person to whom the certificate, permit, or license is or is to be issued. In the case of a partnership, all partners shall be named.

*Explanation.* As in the revision of § 174.1, this revision clarifies the point relating to the filing of certificates of insurance in lieu of actual policies.

10. Paragraph (d) *Cancellation notice* of § 174.7 to be amended to read as follows:

(d) *Cancellation notice.* Surety bonds, certificates of insurance and other securities and agreements shall not be canceled or withdrawn until after thirty (30) days notice in writing by the insurance company surety or sure-

ties, motor carrier, broker or other party thereto, as the case may be, has first been given to the Commission at its office in Washington, D. C., which period of thirty (30) days shall commence to run from the date such notice is actually received at the office of the Commission, *Provided, however* That the thirty days notice of cancellation may be waived if a letter requesting cancellation as of an earlier date is received from the motor carrier involved, attaching to such letter a notice of cancellation of the current coverage and a new certificate of insurance or surety bond which is acceptable under these rules extending coverage as of the date of cancellation, provided such date is subsequent to the receipt of such notice by the Commission.

*Explanation.* The purpose of this revision is to permit a waiver of the thirty days notice of cancellation under certain circumstances which are self-evident.

11. Paragraph (e) *Motor carriers and brokers; compliance with part II, Interstate Commerce Act and this part* of § 174.7 to be deleted, since the provisions thereof will be contained in proposed new § 174.1 (d). See Proposal No. 4.

12. Section 174.8 (a) *Insurance and surety companies; authorized to be* amended to read as follows:

(a) *State authority and designation of agent.* No certificate of insurance or surety bond will be accepted by the Commission under the regulations in this part unless written or issued by an insurance or surety company legally authorized to issue a policy of the type indicated by such certificate or a surety bond in each state in which the motor carrier is authorized to operate under part II of the Interstate Commerce Act and such company fully complies with paragraph (b) of this section. *Provided, however* That in lieu of the licensing requirement with respect to any state except that in which the motor carrier has its principal place of business or domicile, the company may file with the Commission a designation in writing of the name and post office address of a person in each such state upon whom process issued by or under the authority of any court having jurisdiction of the subject matter may be served in any proceeding at law or equity brought against such company. Such designation may from time to time be changed by like designation similarly filed, but shall be maintained during the effectiveness of any certificate of insurance or surety bond issued by the company, and thereafter with respect to any claims arising during the effectiveness of such certificate or bond.

*Explanation.* This revision is for the purpose of enabling insurance or surety companies to file in behalf of motor carriers even though they may not be licensed to do business in each of the states in which such carrier is authorized to perform operations under part II of the act, provided they are licensed in the state of the motor carrier's domicile (or its principal place of business) and have filed with the Commission the name of an agent upon whom legal process may be served in each of the other states in which the carrier is authorized to operate.

13. Paragraph (b) *Financial resources* of § 174.8 to be amended by inserting the following at the end thereof:

In addition to the foregoing, consideration shall be given to such specific factors as:

(i) Length of time engaged in the casualty insurance business and particularly in the writing of motor carrier risks.

(ii) Management with demonstrated ability to successfully conduct the affairs of a casualty insurance company writing the lines of insurance being written or proposed to be written.

(iii) A current financial statement indicating clearly its ability to assume the payment of any and all claims likely to occur under policies of insurance issued, including:

(a) A conservative ratio between net written premium, unearned premium and policyholders' surplus.

(b) A liquid position as regards investments.

(c) An expense ratio to premiums written or earned commensurate with its particular class of operation.

(iv) Contracts of reinsurance, with reinsurers satisfactory to the Interstate Commerce Commission, which limit the potential catastrophe hazard of the company.

All companies, whenever requested to do so by the Commission shall furnish copy of their annual statement, on the "Convention" form, as filed with the regulatory agency of the company's home state. All companies formed, reorganized, or passing under new management or control since January 1, 1952, shall submit, not later than September 1st of each year, an interim balance sheet and operating statement as of June 30th of that year, until such time as the Commission is satisfied concerning the future stability of such companies. The Commission may, if deemed expedient, require an examination of any company at the company's own expense.

*Explanation.* The foregoing is largely self-explanatory, and is intended to provide insurance and bonding companies seeking Commission approval with information as to the yardstick used by the Commission in authorizing such companies to file evidence of insurance or surety with it; to clarify the requirements relating to financial data required; and to provide for examination of companies should such be deemed expedient.

14. Paragraph (c) *Effective date* of § 174.8 to be deleted in its entirety since the provisions thereof are now obsolete.

15. Section 174.9 *Refusal to accept, or revocation by Commission of surety bond, etc.* to be amended to read as follows:

§ 174.9 *Refusal to accept, or revocation by Commission of surety bond, etc.* The Commission may at any time, refuse to accept or may revoke its acceptance of any surety bond, certificate of insurance, qualifications as a self-insurer, or other securities or agreements if, in its judgment such security does not comply with these sections or for any reason fails to provide satisfactory or adequate protection for the public. Revocation of acceptance of any certificate of insurance, surety bond or other se-

curity shall not relieve the motor carrier from compliance with § 174.1 (d) of this chapter.

*Explanation.* As heretofore, this provision recognizes the principle of filing certificates of insurance rather than policies; of "acceptance" rather than "Approval"; and further provides for continuing compliance in the event of revocation of acceptance.

16. Sections 174.10 (a) and (b) to be revised and combined in restated form as follows:

§ 174.10 *Fiduciaries*—(a) *Insured and principal defined.* The terms "insured" and "principal" as used in certificates of insurance, surety bonds, notices of cancellation and notices to rescind cancellation or reinstate policies of insurance or surety bonds filed by or in behalf of motor carriers under these sections shall be construed to include not only the motor carrier named in the certificate, surety bond, notice of cancellation, or notice to rescind cancellation or reinstate policy of insurance or surety bond, but also the fiduciary of such motor carrier as defined in § 179.3 of this chapter. The coverage of fiduciaries herein provided for shall attach at the moment of succession of such fiduciaries.

*Explanation.* This revision dispenses with the provision for giving notice of succession of fiduciaries as a condition precedent for attachment of coverage of such fiduciaries.

17. Paragraph (c) *Insurance coverage in behalf of fiduciaries to apply concurrently to § 174.10 to be renumbered*

§ 174.10 (b) in view of the preceding proposal eliminating § 174.10 (b) as it has heretofore existed.

18. Paragraph (d) *Effective date to § 174.10 to be deleted in its entirety since the provisions thereof are outmoded.*

19. The following section to be inserted as a new regulation, made necessary by the passage of Public Law 522 of the 83d Congress, Chapter 563 H. R. 7468, its purpose being to apply insofar as practicable, the same rules to carriers engaged in foreign commerce, as defined herein, as are now applicable to domestic carriers under part II of the act:

§ 174.11 *Operations in foreign commerce.* (a) No motor carrier (as defined below) may operate in the United States in the course of transportation between places in a foreign country or between a place in one foreign country and a place in another foreign country unless and until there shall have been filed with and accepted by the Commission a certificate of insurance, surety bond, proof of qualifications as a self-insurer, or other securities or agreements in the amount prescribed in § 174.2-A, conditioned to pay any final judgment recovered against such motor carrier for bodily injuries to or the death of any person resulting from the negligent operation, maintenance, or use of motor vehicles in transportation between places in a foreign country or between a place in one foreign country and a place in another foreign country insofar as such transportation takes place in the United

States. The security for the protection of the public required by this section shall be maintained in effect at all times and shall be subject to the provisions of §§ 174.5, 174.6, 174.7, 174.8, 174.9, and 174.10. *Provided,* That the requirements of § 174.8 (a) shall be satisfied if the insurance or surety company in addition to having been approved by this Commission, is legally authorized to issue policies or surety bonds in all of the states in or through which the motor carrier operates, or if the company is legally authorized to issue policies or bonds in one of such states and has filed with the Commission the name and address of a person in each of such other states in which it is not authorized to issue such policies or bonds upon whom legal process may be served. Such designation may from time to time be changed by like designation similarly filed, but shall be maintained during the effectiveness of any certificate of insurance or surety bond issued by the company and thereafter with respect to any claims arising during the effectiveness of such certificate or bond.

(b) The term "motor carrier" as used in this section means one who transports persons or property by motor vehicle, for compensation, or who transports property of which he is owner, lessee, or bailee, when such transportation is for the purpose of sale, lease, rent, or bailment, or in furtherance of any commercial enterprise.

[F. R. Doc. 55-75; Filed, Jan. 4, 1955; 8:53 a. m.]

## NOTICES

### DEPARTMENT OF AGRICULTURE

#### Office of the Secretary

TENNESSEE, TEXAS AND VIRGINIA

DISASTER ASSISTANCE; DELINEATION AND CERTIFICATION OF COUNTIES CONTAINED IN DROUGHT AREAS

Pursuant to Public Law 875, 81st Congress (42 U. S. C. 1855 et seq.) the President determined on the dates indicated that a major disaster occasioned by drought existed in the following States:

Tennessee, September 16, 1954.

Texas, July 21, 1954.

Virginia, November 24, 1954.

Pursuant to the authority delegated to me by the Administrator, Federal Civil Defense Administration (18 F. R. 4609; 19 F. R. 2148; 19 F. R. 5364) and for the purposes of section 2 (d) of Public Law 38, 81st Congress, as amended by Public Law 115, 83d Congress, and section 301 of Public Law 480, 83d Congress, certain counties, as hereinafter described, in the State of Tennessee were on September 16, 1954 (19 F. R. 6243) as amended (19 F. R. 6557; 19 F. R. 6836; 19 F. R. 7119) certain counties in the State of Texas were on August 10, 1954 (19 F. R. 5155) as amended (19 F. R. 5388; 19 F. R. 5957; 19 F. R. 6127; 19 F. R. 6417; 19 F. R. 6557; 19 F. R. 7547; 19 F. R. 8635) and certain

counties were in the Commonwealth of Virginia on November 24, 1954 (19 F. R. 8044) determined to be the areas affected by the major disaster by drought.

Pursuant to the aforesaid delegations, the delineation and certification of counties in the drought areas in the States of Tennessee and Texas and in the Commonwealth of Virginia, as above described, are herewith amended by adding the counties, as set forth below, on the dates specified, to the major disaster areas in these States:

#### TENNESSEE

December 23, 1954:

Marion.

Van Buren.

#### TEXAS

December 23, 1954:

Potter.

Wheeler.

#### VIRGINIA

December 23, 1954.

King William.

Rappahannock.

Richmond.

Done at Washington, D. C., this 31st day of December 1954.

[SEAL]

TRUE D. MORSE,

Acting Secretary of Agriculture.

[F. R. Doc. 55-61; Filed, Jan. 4, 1955; 8:49 a. m.]

### DEPARTMENT OF LABOR

#### Wage and Hour Division

LEARNER EMPLOYMENT CERTIFICATES

ISSUANCE TO VARIOUS INDUSTRIES

Notice is hereby given that pursuant to section 14 of the Fair Labor Standards Act of 1938, as amended (52 Stat. 1068, as amended; 29 U. S. C. and Sup. 214) and Part 522 of the regulations issued thereunder (29 CFR Part 522) special certificates authorizing the employment of learners at hourly wage rates lower than the minimum wage rates applicable under section 6 of the act have been issued to the firms listed below. The employment of learners under these certificates is limited to the terms and conditions therein contained and is subject to the provisions of Part 522. The effective and expiration dates, occupations, wage rates, number or proportion of learners, and learning period for certificates issued under the general learner regulations (§§ 522.1 to 522.14) are as indicated below conditions provided in certificates issued under special industry regulations are as established in these regulations.

Single Pants, Shirts and Allied Garments, Women's Apparel, Sportswear and Other Odd Outerwear, Rainwear, Robes and Leather and Sheep-Lined

Garments Divisions of the Apparel Industry Learner Regulations (29 CFR 522.160 to 522.168, as amended July 5, 1954, 19 F. R. 3326)

Dunhill Shirt Co., Lexington, Mo., effective 1-12-55 to 1-11-56; 10 percent of the total number of factory production workers for normal labor turnover purposes (men's shirts).

Dunhill Shirt Co., Holden, Mo., effective 1-8-55 to 1-7-56; 10 percent of the total number of factory production workers for normal labor turnover purposes (men's shirts).

F Jacobson and Sons, Inc., Salisbury, Md., effective 12-31-54 to 12-30-55; 10 percent of the total number of factory production workers for normal labor turnover purposes (men's shirts).

Jonny Jax, Inc., Holsopple, Pa., effective 12-21-54 to 12-20-55; 8 learners for normal labor turnover purposes (bomber jackets and surcoats).

Kinston Shirt Co., Kinston, N. C., effective 12-17-54 to 12-16-55; 10 percent of the total number of factory production workers for normal labor turnover purposes (men's shirts, shorts, and pajamas).

Reldbord Bros. Co., Blairton, Washington Township, Westmoreland County, Pa., effective 12-21-54 to 12-20-55; 10 percent of the total number of factory production workers for normal labor turnover purposes (men's and boys' trousers).

The Salisbury Co., Salisbury, Mo., effective 1-12-55 to 1-11-56; 10 percent of the total number of factory production workers for normal labor turnover purposes (dress trousers and slacks).

Soperton Manufacturing Co., Soperton, Ga., effective 1-11-55 to 1-10-56; 10 percent of the total number of factory production workers for normal labor turnover purposes (shirts).

Waverly Garment Co., Waverly, Tenn., effective 12-27-54 to 12-26-55; 10 percent of the total number of factory production workers for normal labor turnover purposes (work shirts).

Yunker Manufacturing Co., Inc., 301 Ann Street, Parkersburg, W. Va., effective 12-28-54 to 12-27-55; 10 percent of the total number of factory production workers for normal labor turnover purposes (infants' cotton apparel).

Cigar Industry Learner Regulations (29 CFR 522.201 to 522.211, as amended October 27, 1952, 17 F. R. 8633.)

The S. Frieder & Sons Co., Mill Street and Gardner Avenue, Wilkes-Barre, Pa., effective 12-31-54 to 12-30-55; 10 percent of the total number of factory production workers engaged in each of the occupations listed below for normal labor turnover purposes: cigar machine operating, 320 hours; machine stripping, 160 hours; packing, cigars retailing for more than 6 cents, 320 hours; and packing, cigars retailing for 6 cents or less, 160 hours. All at 65 cents per hour.

General Cigar Co., Inc., 1301-11 Seventh Avenue, Huntington, W. Va., effective 12-17-54 to 12-16-55; 10 percent of the total number of factory production workers engaged in each of the occupations listed below for normal labor turnover purposes: Cigar machine operating, and packing (cigars retailing for more than 6 cents each), each 320 hours; hand stripping, and machine stripping, each 160 hours. All at 65 cents an hour.

General Cigar Co., Inc., 154 West Church Street, Nanticoke, Pa., effective 12-17-54 to 12-16-55; 10 percent of the total number of factory production workers engaged in each of the occupations listed below for normal labor turnover purposes: Cigar machine operating, and cigar packing (cigars retailing for over 6 cents) each 320 hours;

machine stripping, and hand stripping, each 160 hours. All at 65 cents an hour.

General Cigar Co., Inc., 5th and Hickory Streets, Mt. Carmel, Pa., effective 12-17-54 to 12-16-55; 10 percent of the total number of factory production workers engaged in each of the occupations listed below: Machine operating, and packing (cigars retailing for over 6 cents), each 320 hours; and machine stripping, 160 hours. All at 65 cents an hour.

General Cigar Co., Inc., Robert Burns Drive, Philipsburg, Pa., effective 12-17-54 to 12-16-55; 10 percent of the total number of factory production workers engaged in the occupation of cigar packing (cigars retailing for 6 cents or less), for 160 hours, at 65 cents an hour.

Hosiery Industry Learner Regulations (29 CFR 522.40 to 522.46, as amended May 3, 1954, 19 F. R. 1761)

The Alden Mills, Independence, La., effective 12-17-54 to 6-16-55; 10 learners for plant expansion purposes.

Shoe Industry Learner Regulations (29 CFR 522.250 to 522.260, as amended March 17, 1952, 17 F. R. 1500)

Columbia Novelty Slipper Co., Hazleton, Pa., effective 12-22-54 to 12-21-55; 10 percent of the total number of factory production workers for normal labor turnover purposes.

Regulations Applicable to the Employment of Learners (29 CFR 522.1 to 522.14)

Fabriko, Inc., Green Lake, Wis., effective 12-13-54 to 6-12-55; 7 learners for normal labor turnover purposes, in the occupation of sewing machine operator, for 240 hours, at 65 cents per hour (advertising caps and novelties).

Each certificate has been issued upon the employer's representation that employment of learners at subminimum rates is necessary in order to prevent curtailment of opportunities for employment, and that experienced workers for the learner occupations are not available. The certificates may be canceled in the manner provided in the regulations and as indicated in the certificates. Any person aggrieved by the issuance of any of these certificates may seek a review or reconsideration thereof within fifteen days after publication of this notice in the FEDERAL REGISTER pursuant to the provisions of Part 522.

Signed at Washington, D. C., this 22d day of December 1954.

MILTON BROOKE,  
Authorized Representative  
of the Administrator

[F. R. Doc. 55-44; Filed, Jan. 4, 1955; 8:45 a. m.]

## CIVIL AERONAUTICS BOARD

[Docket No. 6848]

DELTA AIR LINES, INC.

NOTICE OF FURTHER POSTPONEMENT OF HEARING

Delta-C & S application to make Fort Wayne, Ind., an alternate intermediate point to Anderson-Muncie-New Castle, Ind.

In the matter of the application of Delta Air Lines, Inc., for an amendment

of its certificate of public convenience and necessity for route No. 54.

Notice is hereby given that the public hearing in the above-entitled proceeding last assigned for January 5, 1955, is re-assigned to be held on January 12, 1955 at 10:00 a. m., e. s. t., in Room 2063, Commerce Building, Fifteenth Street and Constitution Avenue NW., Washington, D. C., before Examiner Joseph L. Fitzmaurice.

Dated at Washington, D. C., December 31, 1954.

[SEAL] FRANCIS W. BROWN,  
Chief Examiner

[F. R. Doc. 55-63; Filed, Jan. 4, 1955; 8:50 a. m.]

[Docket No. SA-296]

ACCIDENT OCCURRING NEAR WAYNESBORO, VA.

NOTICE OF HEARING

In the matter of investigation of accident involving aircraft of United States Registry N 1505V which occurred near Waynesboro, Virginia, on November 20, 1954.

Notice is hereby given, pursuant to the Civil Aeronautics Act of 1938, as amended, particularly section 702 of said act, in the above-entitled proceeding that hearing is hereby assigned to be held on January 19, 1955, at 9:30 a. m., local time, in Room M-132, Mezzanine Floor, Administration Building, Greater Pittsburgh Airport, Pittsburgh, Pennsylvania.

Dated at Washington, D. C., December 29, 1954.

[SEAL] VAN R. O'BRIEN,  
Presiding Officer

[F. R. Doc. 55-64; Filed Jan. 4, 1955; 8:50 a. m.]

## GENERAL SERVICES ADMINISTRATION

SECRETARY OF AGRICULTURE

DELEGATION OF AUTHORITY WITH RESPECT TO LEASE OF SPACE AT STILLWATER, OKLAHOMA

1. Pursuant to authority vested in me by the Federal Property and Administrative Services Act of 1949, as amended, I hereby authorize the Secretary of Agriculture to procure by lease for a term not in excess of five years, in accordance with section 3 of the Act of August 27, 1935, as amended (40 U. S. C. 304c) necessary office and related space at Stillwater, Oklahoma.

2. Any such lease shall be executed by June 30, 1955, and may be amended or renewed from time to time, but any single renewal for longer than one year shall require approval of the Administrator of General Services.

3. The Secretary of Agriculture may redelegate this authority to any officer or employee of the Department of Agriculture.

4. This delegation of authority is effective immediately.

Dated: December 29, 1954.

EDMUND F MANSURE,  
Administrator

[F R. Doc. 55-90; Filed, Jan. 3, 1955;  
2:55 p. m.]

## FEDERAL POWER COMMISSION

[Docket Nos. G-2310, G-2316, G-2321, G-2330,  
G-2331, G-2367, G-2389, G-2419]

IROQUOIS GAS CORP ET AL. ?

NOTICE OF OPINION NO. 279 AND SETTING OF  
DATE FOR ORAL ARGUMENT

DECEMBER 29, 1954.

In the matters of Iroquois Gas Corporation and Tennessee Gas Transmission Company, Docket No. G-2310; Tennessee Gas Transmission Company, Docket No. G-2316; West Tennessee Public Utility District of Weakley Carroll and Benton Counties, Tennessee, Docket No. G-2321, New York State Natural Gas Corporation and Tennessee Gas Transmission Company Docket No. G-2330; Tennessee Gas Transmission Company, Docket No. G-2331, Transcontinental Gas Pipe Line Corporation, Docket No. G-2367 City Gas Company of Newton,

Description	Purchaser	Rate schedule designation	Effective date <sup>1</sup>
Supplemental agreement, dated Oct. 13, 1954.	Colorado Interstate Gas Co.	Supplement No. 3 to FPC rate Schedule No. 2.	Jan. 1, 1955

<sup>1</sup> The stated effective date is the first day after expiration of the required 30 days' notice, or the effective date proposed by respondent if later.

The increased rates and charges proposed in the aforesaid filing have not been shown to be justified, and may be unjust, unreasonable, unduly discriminatory, or preferential, or otherwise unlawful.

The Commission finds: It is necessary and proper in the public interest and to aid in the enforcement of the provisions of the Natural Gas Act that the Commission enter upon a hearing concerning the lawfulness of the said proposed changes, and that the above-designated supplements be suspended and the use thereof deferred as hereinafter ordered.

The Commission orders:

(A) Pursuant to the authority contained in sections 4 and 15 of the Natural Gas Act, a public hearing be held upon a date to be fixed by further order concerning the lawfulness of said proposed changes in rates and charges; and, pending such hearing and decision thereon, the above-designated supplement be and it is hereby suspended and the use thereof deferred until March 1, 1955, and for such further time until it is made effective in the manner prescribed by the Natural Gas Act, subject to further order of the Commission.

Description	Purchaser	Rate schedule designation <sup>1</sup>	Effective date <sup>1</sup>
Notice of change, dated Nov. 29, 1954.	Montana-Dakota Utilities Co.	Supplement No. 1 to FPC gas rate schedule No. 2.	Dec. 30, 1954
Letter, dated Oct. 11, 1954.	do.	Supplement No. 1 to supplement No. 1 to FPC gas rate schedule No. 2.	Do.

<sup>1</sup> The stated effective date is the first day after expiration of the required 30 days' notice, or the effective date proposed by respondent if later.

New Jersey Docket No. G-2389; Central Hudson Gas and Electric Corporation, Docket No. G-2419.

Notice is hereby given that on December 28, 1954, the Federal Power Commission issued its opinion and order adopted December 22, 1954, in the above-entitled matters, issuing certificates of public convenience and necessity and setting date for oral argument to be held on January 14, 1955, at 10:00 a. m., e. s. t., Washington, D. C.

[SEAL] LEON M. FUQUAY,  
Secretary.

[F R. Doc. 55-46; Filed, Jan. 4, 1955;  
8:46 a. m.]

[Docket No. G-6502]

H. F SEARS

### ORDER SUSPENDING PROPOSED CHANGES IN RATES

H. F Sears on November 29, 1954, tendered for filing proposed changes in presently effective rate schedules for sales subject to the jurisdiction of the Commission. The proposed changes, which constitute increased rates and charges, are contained in the following designated filing which is proposed to become effective on the date shown.

(B) Interested State commissions may participate as provided by §§ 1.8 and 1.37 (f) (18 CFR 1.8 and 1.37 (f)) of the Commission's rules of practice and procedure.

Adopted. December 22, 1954.

Issued: December 29, 1954.

By the Commission.

[SEAL] LEON M. FUQUAY,  
Secretary.

[F R. Doc. 55-47; Filed, Jan. 4, 1955;  
8:46 a. m.]

[Docket No. G-6503]

CONTINENTAL OIL CO.

### ORDER SUSPENDING PROPOSED CHANGES IN RATES

Continental Oil Company on November 30, 1954, tendered for filing proposed changes in presently effective rate schedules for sales subject to the jurisdiction of the Commission. The proposed changes, which constitute increased rates and charges, are contained in the following designated filings which are proposed to become effective on the date shown:

The increased rates and charges proposed in the aforesaid filings have not been shown to be justified, and may be unjust, unreasonable, unduly discriminatory, or preferential, or otherwise unlawful.

The Commission finds: It is necessary and proper in the public interest and to aid in the enforcement of the provisions of the Natural Gas Act that the Commission enter upon a hearing concerning the lawfulness of the said proposed changes, and that the above-designated supplements be suspended and the use thereof deferred as hereinafter ordered.

The Commission orders:

(A) Pursuant to the authority contained in sections 4 and 15 of the Natural Gas Act, a public hearing be held upon a date to be fixed by further notice by the Secretary concerning the lawfulness of said proposed changes in rates and charges; and, pending such hearing and decision thereon, the above-designated supplements be and they are each hereby suspended and the use thereof deferred until March 1, 1955, and for such further time until they are made effective in the manner prescribed by the Natural Gas Act, subject to further order of the Commission.

(B) Interested State commissions may participate as provided by §§ 1.8 and 1.37 (f) (18 CFR 1.8 and 1.37 (f)) of the Commission's rules of practice and procedure.

Adopted. December 22, 1954.

Issued. December 29, 1954.

By the Commission.

[SEAL] LEON M. FUQUAY,  
Secretary.

[F R. Doc. 55-48; Filed, Jan. 4, 1955;  
8:46 a. m.]

[Docket No. G-3038]

J. M. HUBER CORP.

### NOTICE OF POSTPONEMENT OF HEARING

DECEMBER 28, 1954.

Notice is hereby given that the hearing in the above-designated matter now scheduled for January 4, 1955, is hereby postponed to 10:00 a. m., e. s. t., January 26, 1955, in a hearing room of the Federal Power Commission, 441 G Street NW., Washington, D. C., and that said hearing will be held simultaneously on a consolidated record with the hearing scheduled for the same time and place in the matters of J. M. Huber Corporation, Docket No. G-4957 and Northern Natural Gas Company v. J. M. Huber Corporation, Docket No. G-4326.

[SEAL] LEON M. FUQUAY,  
Secretary.

[F R. Doc. 55-45; Filed, Jan. 4, 1955;  
8:45 a. m.]

[Docket No. G-6504]

TAYLOR OIL AND GAS CO. AND MAYFAIR  
MINERALS, INC.

### ORDER SUSPENDING PROPOSED CHANGES IN RATES

Taylor Oil and Gas Company and Mayfair Minerals, Inc., co-owners of cer-

tain leases, on November 29, 1954, tendered for filing proposed changes in presently effective rate schedules for sales subject to the jurisdiction of the Commission. The proposed changes,

which constitute increased rates and charges, are contained in a contract to which both are parties, which are proposed to become effective on the date shown:

Description	Purchaser	Rate schedule designation	Effective date <sup>1</sup>
Contract, dated Nov. 3, 1954.	Trunkline Gas Co.-----	Supplement No. 3 to FPC gas rate schedule No. 1.	Jan. 1, 1955

<sup>1</sup> The stated effective date is the first day after expiration of the required 30 days' notice, or the effective date proposed by respondent if later.

The increased rates and charges proposed in the aforesaid filings have not been shown to be justified, and may be unjust, unreasonable, unduly discriminatory or preferential, or otherwise unlawful.

The Commission finds: It is necessary and proper in the public interest and to aid in the enforcement of the provisions of the Natural Gas Act that the Commission enter upon a hearing concerning the lawfulness of the said proposed changes, and that the above-designated supplements be suspended and the use thereof deferred as hereinafter ordered.

The Commission orders:

(A) Pursuant to the authority contained in sections 4 and 15 of the Natural Gas Act, a public hearing be held upon a date to be fixed by further notice by the Secretary concerning the lawfulness of said proposed changes in rates and charges; and, pending such hearing and decision thereon, the above-designated supplements be and they are each hereby suspended and the use thereof deferred until March 1, 1955, and for such further time until they are made effective in the manner prescribed by the Natural Gas Act, subject to further order of the Commission.

Description	Purchaser	Rate schedule designation	Effective date <sup>1</sup>
Notice of change, dated Dec. 4, 1954.	Natural Gas Pipeline Co. of America.	Supplement No. 4 to FPC gas rate schedule No. 2.	Jan. 5, 1955

<sup>1</sup> The stated effective date is the first day after expiration of the required 30 days' notice, or the effective date proposed by respondent if later.

The increased rates and charges proposed in the aforesaid filing have not been shown to be justified, and may be unjust, unreasonable, unduly discriminatory, or preferential, or otherwise unlawful.

The Commission finds: It is necessary and proper in the public interest and to aid in the enforcement of the provisions of the Natural Gas Act that the Commission enter upon a hearing concerning the lawfulness of the said proposed changes, and that the above-designated supplement be suspended and the use thereof deferred as hereinafter ordered.

The Commission orders:

(A) Pursuant to the authority contained in sections 4 and 15 of the Natural Gas Act, a public hearing be held upon a date to be fixed by further notice by the Secretary concerning the lawfulness of said proposed changes in rates and

(B) Interested State commissions may participate as provided by §§ 1.8 and 1.37 (f) (18 CFR 1.8 and 1.37 (f)) of the Commission's rules of practice and procedure.

Adopted: December 22, 1954.

Issued: December 29, 1954.

By the Commission.

[SEAL] LEON M. FUQUAY,  
Secretary.

[F R. Doc. 55-49; Filed, Jan. 4, 1955;  
8:46 a. m.]

[Docket No. G-6505]

DORCHESTER CORP

#### ORDER SUSPENDING PROPOSED CHANGES IN RATES

Dorchester Corporation, on December 6, 1954, tendered for filing proposed changes in presently effective rate schedules for sales subject to the jurisdiction of the Commission. The proposed changes, which constitute increased rates and charges, are contained in the following designated filing which is proposed to become effective on the date shown.

charges; and, pending such hearing and decision thereon, the above-designated supplement be and it is hereby suspended and the use thereof deferred until March 1, 1955, and for such further time until it is made effective in the manner prescribed by the Natural Gas Act, subject to further order of the Commission.

(B) Interested State commissions may participate as provided by §§ 1.8 and 1.37 (f) (18 CFR 1.8 and 1.37 (f)) of the Commission's rules of practice and procedure.

Adopted: December 22, 1954.

Issued: December 29, 1954.

By the Commission.

[SEAL] LEON M. FUQUAY,  
Secretary.

[F R. Doc. 55-50; Filed, Jan. 4, 1955;  
8:47 a. m.]

## SECURITIES AND EXCHANGE COMMISSION

[File No. 24D-1438]

NEW MEXICO PETROLEUM Co., Inc.

ORDER TEMPORARILY SUSPENDING EXEMPTION, STATEMENT OF REASONS THEREFOR, AND NOTICE OF OPPORTUNITY FOR HEARING

DECEMBER 29, 1954.

I. New Mexico Petroleum Co., Inc., Pleasantville, New Jersey having filed with the Commission on October 4, 1954, a Notification on Form 1-A and an amendment thereto on October 25, 1954, relating to a proposed public offering of 150,000 shares of its \$1 par value common stock at \$2 per share, for the purpose of obtaining an exemption from the registration requirements of the Securities Act of 1933, as amended, pursuant to the provisions of section 3 (b) thereof and Regulation A promulgated thereunder the Staff of the Commission having informed the issuer by letters dated October 11 and 25 and November 12, 1954 that said Notification and the offering circular filed as part thereof did not appear to comply with the terms and conditions of said Regulation A in the respects therein specified; and

II. The Commission having reasonable cause to believe:

A. That the terms and conditions of Regulation A have not been complied with in respect of said Notification, in that the offering circular, dated September 28, 1954, filed as part thereof contains untrue statements of material facts, and fails to state material facts necessary in order to make the statements made, in the light of the circumstances under which they are made, not misleading, particularly with respect to the following:

1. The statement that the issuer "is the owner of large tracts of Oil and Gas leases in the State of New Mexico and has options on 50,000 additional acres" and the failure to discuss the amount and status of said leases, and the royalties or encumbrances to which they are subject;

2. The failure to disclose, as required by Rule 219 (c) (2) the names of the officers and directors and the direct or indirect material interests of officers, directors or affiliates, by security holdings, contracts, options or otherwise in the issuer or in any assets proposed to be acquired or operated by the issuer.

3. The failure to disclose, as required by Rule 219 (c) (5), the purposes for which the proceeds to be received by the issuer from the sale of its securities, are to be used and the amount to be used for each such purpose with an indication of the order of priority thereof;

4. The failure to furnish, as required by Rule 219 (c) (6) appropriate financial statements of the issuer.

5. The information in the Notification is not responsive to the items of the form and said Notification does not otherwise comply with the terms and conditions of said Regulation A.

B. That the use of said offering circular in connection with the offering of the issuer's securities would operate as a fraud and deceit upon purchasers of said securities.

C. That the terms and conditions of Regulation A have not been complied with in that an offering circular which does not contain the information specified by Regulation A and does not otherwise comply with the provisions of the statute and the rules promulgated thereunder, has been and is being delivered to offerees of the stock.

D. That the offering was commenced and securities sold prior to the time permitted by Rule 219 (e)

E. That the terms and conditions of Regulation A have not been complied with in that the issuer failed to file, as required by Rule 221, sales literature sent out or given to prospective purchasers.

F That use of said sales literature would operate as a fraud and deceit upon purchasers.

*It is ordered*, Pursuant to Rule 223 (a) of the general rules and regulations under the Securities Act of 1933 that the exemption under Regulation A be, and it hereby is, temporarily suspended.

Notice is hereby given that any person having any interest in the matter may file with the Secretary of the Commission a written request for a hearing; that, within 20 days after receipt of such request, the Commission will, or at any time upon its own motion may set the matter down for hearing at a place to be designated by the Commission for the purpose of determining whether this order of suspension should be vacated or made permanent, without prejudice, however, to the consideration and presentation of additional matters at the hearing; and that notice of the time and place for said hearing will be promptly given by the Commission.

*It is further ordered*, That this Order and Notice shall be served upon New Mexico Petroleum Co., Inc. personally or by registered mail or by confirmed telegraphic notice, and shall be published in the FEDERAL REGISTER.

By the Commission.

[SEAL] ORVAL L. DuBOIS,  
Secretary.

[F R. Doc. 55-52; Filed, Jan. 4, 1955;  
8:47 a. m.]

[File Nos. 54-164, 59-14]

INTERNATIONAL HYDRO-ELECTRIC SYSTEM  
NOTICE OF AND ORDER RECONVENING HEARING  
ON TRUSTEE'S PLAN AND NOTICE OF OP-  
PORTUNITY TO PROPOSE PLANS

DECEMBER 30, 1954.

On June 22, 1953 Bartholomew A. Brickley Trustee of International Hydro-Electric System ("IHES") a registered holding company, now in process of reorganization before the Commission and the United States District Court for the District of Massachusetts ("Court") pursuant to sections 11 (b) (2) and

11 (d) of the Public Utility Holding Company Act of 1935 ("act") filed a plan which proposed, in Part IV thereof, to convert IHES into a closed-end non-diversified investment company in lieu of liquidating and dissolving IHES as theretofore ordered by the Commission.

Pursuant to due notice (Holding Company Act Release No. 12052) hearings were held on other portions of the plan, which hearings were concluded on September 2, 1953, to be resumed on Part IV upon call of the Hearing Officer or the Commission.

Subsequently, those portions of the plan, other than contained in Step IV were approved and consummated. As a result the only remaining outstanding securities of IHES consist of 856,718 shares of Class A stock. Pursuant to the plan and an order of the Court entered on December 8, 1954, an interim Board of Directors of IHES has been seated with authority to represent the Class A stockholders in the reorganization proceedings.

It appearing to the Commission that it is now appropriate in the public interest and in the interests of investors and consumers that the hearing heretofore ordered herein be reconvened to receive evidence with respect to Part IV of the Trustee's plan, as now filed or as it may hereafter be amended, and with respect to any other or alternative plans which any person having a bona fide interest may propose to effectuate compliance with the act by IHES, and to afford to all interested persons an opportunity to be heard with respect thereto:

*It is ordered*, That the hearing heretofore ordered herein be reconvened on January 25, 1955 at 10 a. m., at the offices of the Commission, 425 Second Street NW., Washington 25, D. C., in such room as may be designated on that day by the hearing room clerk in Room 193. At such reconvened hearing consideration shall be given to Part IV of the Trustee's plan and to any other plans filed by any person having a bona fide interest herein.

*It is further ordered*, That James G. Ewell or any other officer or officers of the Commission designated by it for that purpose shall preside at the reconvened hearing. The officer so designated is hereby authorized to exercise all powers granted to the Commission under section 18 (c) of the act and to a hearing officer under the Commission's rules of practice.

*It is further ordered*, That at the reconvened hearing special consideration be given to the following matters and questions:

1. Whether it is consistent with the standards of the act that the Commission's dissolution order of July 21, 1942 be modified to permit the reorganization and continuance of IHES as an investment company and, in the event such order is so modified, what, if any conditions the Commission should impose in connection with such modification.

2. Whether Part IV of the Trustee's plan, as submitted or as it may be modified, or any alternative plan that may be proposed is necessary or appropriate to

effectuate the provisions of section 11 (b) of the act, and is fair and equitable to the persons affected thereby.

3. Whether the accounting entries in connection with Part IV of the Trustee's plan or any other plan which may be proposed are appropriate and in accordance with sound accounting principles.

4. Generally whether the transactions proposed in Part IV of the Trustee's plan or any other plan which may be proposed are in all respects in the public interest and in the interests of investors and consumers, and consistent with all applicable requirements of the act and the rules thereunder, and whether any modifications should be required to be made, and whether any terms and conditions should be imposed to satisfy the applicable statutory standards.

*It is further ordered*, That notice of the reconvened hearing be given by registered mail to Bartholomew A. Brickley and to all persons previously participating in these proceedings as Class A stockholders or representatives thereof; and that notice shall be given to all other persons by general release of this Commission which shall be distributed to the press and mailed to persons on the mailing list for releases under the act; and that further notice be given to all persons by publication of this order in the FEDERAL REGISTER.

*It is further ordered*, That any person having a bona fide interest in these proceedings and desiring to do so may file on or before January 19, 1955 further proposals for amendments to or alternatives for Part IV of the Trustee's plan, and that any interested person who has not already entered his appearance herein and who desires to be heard or otherwise to participate at said reconvened hearing shall notify the Commission in the manner provided in Rule XVII of the Commission's rules of practice, not later than January 21, 1955.

By the Commission.

[SEAL] ORVAL L. DuBOIS,  
Secretary.

[F R. Doc. 55-56; Filed, Jan. 4, 1955;  
8:48 a. m.]

[File No. 70-3308]

AMERICAN NATURAL GAS CO. AND MIL-  
WAUKEE GAS LIGHT CO.

ORDER GRANTING AND PERMITTING TO BECOME  
EFFECTIVE APPLICATION-DECLARATION RE-  
GARDING PROPOSED TRANSFER BY SUBSDI-  
ARY TO PARENT OF COMMON STOCK OF  
NON-UTILITY COMPANY

DECEMBER 30, 1954.

American Natural Gas Company ("American Natural") a registered holding company, and its public-utility company subsidiary Milwaukee Gas Light Company ("Milwaukee") having filed a joint application-declaration and amendments thereto, pursuant to the Public Utility Holding Company Act of 1935, ("Act") particularly sections 9, 10 and 12 (f) thereof, regarding the following transactions:



Milwaukee, the owner of all of the outstanding 35,000 shares of \$100 par value common stock of Milwaukee Solvay Coke Company ("Solvay") a non-utility company proposes, as soon as practicable, to transfer to American Natural all of said 35,000 shares of Solvay common stock at the cost thereof to Milwaukee, \$4,372,472. To effectuate such transfer, Milwaukee will declare and pay not in excess of six quarterly dividends upon its common stock in shares of Solvay common stock. To avoid the issuance of fractional shares and other complexities, said dividends are to be payable in cash as to the holders of the minority of 191 $\frac{1}{2}$  shares of Milwaukee common stock. Earned surplus is to be charged for dividends paid on the basis of the cost, \$124.93 per share, of the Solvay stock to Milwaukee. All such distributions of Solvay stock are to be made upon appropriate releases from the Trustee under Milwaukee's Indenture of Mortgage and the Supplement thereto, both dated November 1, 1950, and in compliance with the applicable covenants of such indentures and of Milwaukee's Debenture Indenture dated November 1, 1950.

Said application-declaration having been filed October 29, 1954, and the last amendment thereto having been filed December 29, 1954, and Notice of the filing of the application-declaration having been duly given in the manner and form specified in Rule U-23 promulgated under the act, and a hearing not having been requested of, or ordered by the Commission, in respect of said application-declaration; and

It appearing that the Public Service Commission of Wisconsin has approved the proposed transactions by order issued December 21, 1954, and the fees and expenses to be incurred and paid in connection with such transactions estimated as follows:

U. S. stock transfer tax.....	\$1,750
Legal fees.....	1,000
Accountant's fee.....	1,250
Miscellaneous telephone, telegraph, duplicating, traveling, etc.....	1,000
<b>Total.....</b>	<b>5,000</b>

Appearing not unreasonable; and

The Commission finding with respect to said application-declaration, as amended, that the applicable provisions of the act and the rules and regulations thereunder are satisfied and that no adverse findings are required, and deeming it appropriate in the public interest and in the interest of investors and consumers that said application-declaration, as amended, be granted and permitted to become effective forthwith.

*It is ordered*, Pursuant to Rule U-23 and the applicable provisions of the act, that said application-declaration, as amended, be, and it is hereby, granted and permitted to become effective, forthwith, subject to the terms and conditions specified in Rule U-24.

By the Commission.

[SEAL] ORVAL L. DuBOIS,  
Secretary.

[F. R. Doc. 55-57; Filed, Jan. 4, 1955; 8:48 a. m.]

No. 3—6

[File No. 70-3325]

CITIES SERVICE Co.

ORDER PERMITTING DECLARATION TO  
BECOME EFFECTIVE

DECEMBER 30, 1954.

Cities Service Company ("Cities") a registered holding company having filed a declaration and amendments thereto, pursuant to the Public Utility Holding Company Act of 1935 ("act") particularly sections 6 (a) 7 and 12 (e) thereof and Rule U-62 thereunder, in respect of the following proposed transactions:

Pursuant to a concurrent declaration filed with the Commission (File No. 70-3326) Cities proposes to increase its outstanding \$10 par value common stock to 3,964,842 shares by the distribution of a 2 percent stock dividend (77,742 shares) not later than January 17, 1955. In addition, Cities proposes, pursuant to the instant declaration, to issue and deliver to its common stockholders 1 $\frac{1}{2}$  additional shares of \$10 par value common stock for each share to be outstanding after the distribution of the aforesaid stock dividend, subject to appropriate action by the stockholders increasing the authorized common stock of the company. No fractional shares are to be issued but Order Forms representing such interests are to be issued. Fractional interests may be combined to enable the holder to receive certificates for full shares, or may be sold as the owner may elect. To assist the holders of such fractional interests in combining or selling them, Cities has made arrangements with Guaranty Trust Company of New York to buy and sell such fractional interests for the account of the holders thereof at no expense to them. All shares held covering fractional interests with respect to which Guaranty Trust Company of New York does not receive completed Order Forms from the holders before the close of business on April 7, 1955, will be sold in due course for the account of the holders, and the proceeds distributed pro rata to them. All unclaimed and undeliverable proceeds of such sales on April 30, 1961, will become the absolute property of the company. All expenses in connection with the foregoing are to be paid by Cities.

Cities also proposes to call a special meeting of stockholders to be held on January 25, 1955, to authorize an amendment of its Certificate of Incorporation to increase the authorized number of shares of common stock from 5,000,000 shares of \$10 par value to 20,000,000 shares of \$10 par value, and to eliminate the authorized Preferred Stock, Preference BB Stock, and Preference B Stock, none of which is outstanding, together with all reference thereto, and certain other provisions which are no longer considered appropriate. Proxies to be voted at such special meeting are to be solicited, and the documents to be used in connection therewith have been submitted for approval as a part of the declaration herein. The cost of preparing, assembling and mailing the proxy material, including the out-of-pocket expenses incurred by banks, brokerage

houses, custodians, nominees or fiduciaries to be requested by the company to forward such material to the beneficial owners of shares or to request authority for the execution of the proxy, is to be borne by the company.

It appearing that the fee of Guaranty Trust Company of New York for acting as agent for the holders of fractional interests amounts to \$169,000, that its out-of-pocket expenses are estimated at \$82,500, that the original issuance tax amounts to approximately \$60,000, and that the record is incomplete in respect of other fees and expenses, including legal fees; and

Said declaration having been filed December 10, 1954, and the last amendment thereto having been filed December 20, 1954, and due notice of the filing of said declaration having been given in the form and manner prescribed by Rule U-23 promulgated under the act, and a hearing not having been requested of, or ordered by the Commission in respect of said declaration; and

The Commission finding with respect to said declaration, as amended, that the applicable provisions of the act and the rules and regulations thereunder are satisfied, that no adverse findings are required, and deeming it in the public interest and in the interest of investors that said declaration, as amended, be permitted to become effective forthwith, subject to a reservation of jurisdiction over fees and expenses in respect of which the record is incomplete:

*It is ordered*, Pursuant to Rule U-23 and the applicable provisions of the act, that said declaration, as amended, be, and it is hereby permitted to become effective forthwith, subject to the terms and conditions prescribed by Rule U-24, and subject to a reservation of jurisdiction in respect of all fees and expenses to be incurred and paid in connection with the proposed transactions, other than the fees and expenses of Guaranty Trust Company of New York as agent for the holders of fractional interests, and the original issue tax.

By the Commission.

[SEAL] ORVAL L. DuBOIS,  
Secretary.

[F. R. Doc. 55-53; Filed, Jan. 4, 1955; 8:47 a. m.]

[File No. 70-3326]

CITIES SERVICE Co.

ORDER PERMITTING DECLARATION TO BECOME  
EFFECTIVE

DECEMBER 30, 1954.

Cities Service Company ("Cities") a registered holding company, having filed a declaration and amendments thereto, pursuant to the Public Utility Holding Company Act of 1935 ("Act") particularly sections 6 (a) and 7 thereof, in respect of the following proposed transactions:

Cities proposes to issue 77,742 shares of its \$10 par value common stock and to distribute such shares as soon as practicable but not later than January 17,

1955, as a stock dividend (2 percent) on the basis of one share of said stock for each fifty shares of its outstanding 3,887,100 shares of common stock, to stockholders of record on December 10, 1954. No fractional shares are to be issued, but Order Forms representing such interests are to be issued. Fractional interests may be combined with other like interests to enable the holder to receive certificates for full shares, or they may be sold as the owner may elect. To assist the holders of such fractional interests in combining or selling them, Cities has arranged with Guaranty Trust Company of New York to buy and sell such fractional interests for the account of the holders thereof at no expense to them. All shares held covering fractional interests with respect to which Guaranty Trust Company of New York does not receive completed Order Forms from the holders before the close of business February 10, 1955, will be sold in due course, for the account of such holders, and the proceeds distributed pro rata to them. All proceeds unclaimed and undeliverable on February 28, 1961, will become the absolute property of the company. Cities is to pay all expenses in connection with the foregoing transactions.

It appearing that the fee of Guaranty Trust Company for acting as agent of the holders of fractional interests amounts to \$106,000, its out-of-pocket expenses are estimated at \$45,000, the original issue tax amounts to approximately \$8,000, and that the record is incomplete in respect of other fees and expenses, including legal fees and expenses; and

Said declaration having been filed December 10, 1954, and the last amendment thereto having been filed December 17, 1954, and notice of the filing of said declaration having been duly given in the form and manner prescribed by Rule U-23 promulgated under the act, and a hearing not having been requested of, or ordered by the Commission in respect of said declaration, and

The Commission finding with respect to said declaration, as amended, that the applicable provisions of the act and the rules and regulations thereunder are satisfied, that no adverse findings are required, and deeming it in the public interest and in the interest of investors that said declaration, as amended, be permitted to become effective forthwith, subject to a reservation of jurisdiction over fees and expenses with respect to which the record is incomplete;

*It is ordered*, Pursuant to Rule U-23 and the applicable provisions of the act, that said declaration, as amended, be, and it is hereby permitted to become effective forthwith, subject to the terms and conditions prescribed in Rule U-24, and subject further to a reservation of jurisdiction with respect to fees and expenses to be incurred and paid in connection with the proposed transactions, other than the fee and expenses of Guaranty Trust Company for acting as agent

for holders of fractional interests, and the original issue tax.

By the Commission.

[SEAL]

ORVAL L. DuBOIS,  
Secretary.

[F R. Doc. 55-54; Filed, Jan. 4, 1955;  
8:47 a. m.]

[File Nos. 811-655, 811-656]

ATOMIC-ELECTRONICS FUND, INC. (MASSACHUSETTS) AND ATOMIC AND ELECTRONIC FUND, INC. (MARYLAND)

NOTICE OF AND ORDER FOR HEARING  
CONCERNING CORPORATE NAMES

DECEMBER 30, 1954.

Atomic-Electronics Fund, Inc., a Massachusetts corporation, incorporated under the laws of that State on September 16, 1954, having filed a notification of registration under the Investment Company Act of 1940 on Form N-8A on September 17, 1954, and a registration statement on Form N-8B-1 under that act on December 9, 1954;

Atomic and Electronic Fund, Inc., a Maryland corporation, incorporated under the laws of that State on September 27, 1954, having filed a notification of registration under the Investment Company Act of 1940 on Form N-8A on September 27, 1954,

It appearing to the Commission that, in view of the substantial identity in name of the two corporations hereinbefore named, each of which has filed a notification of registration, a substantial question is presented as to whether, as to one of such companies, such name may be "deceptive or misleading" within the meaning of section 35 (d) of the Investment Company Act, which provides that it shall be unlawful for any registered investment company to adopt as part of the name or title of such company any word or words which the Commission finds and by order declares to be "deceptive or misleading."

It appearing to the Commission that it is in the public interest and the interest of investors that a hearing be held with respect to such matter, for the purpose of considering, in connection therewith, the various matters hereinafter set forth, and for the purpose of determining what order, if any, should be issued by the Commission pursuant to section 35 (d) and any other applicable provisions of the Investment Company Act of 1940;

*Wherefore it is ordered*, That a hearing under the applicable provisions of the act and the rules of the Commission thereunder be held on the 11th day of January 1955, at 10:00 a. m., in the offices of the Securities and Exchange Commission, 425 Second Street NW., Washington 25, D. C. At such time the Hearing clerk will advise as to the room in which the hearing will be held. At such hearing consideration will be given to the following matters and questions, without prejudice, however, to the specification of any additional issues or matters which may be presented in these proceedings:

(1) Whether, under all the facts and circumstances which may appear at such

hearing, the name of Atomic-Electronics Fund, Inc., as used by the Massachusetts corporation, is deceptive or misleading.

(2) Whether, under all the facts and circumstances which may appear at such hearing, the name of Atomic and Electronic Fund, Inc., as used by the Maryland corporation, is deceptive or misleading.

(3) In connection with the foregoing, whether either corporation has acquired a right to the use of such name prior to and superior to the right of the other corporation.

(4) In connection with the foregoing, what are the facts and circumstances relating to the organization of each corporation, the selection of its name, the steps taken by it toward the sale of securities, and the business performed by and contemplated by each corporation.

(5) What finding or order should be issued herein, with respect to either corporation, pursuant to section 35 (d) or other applicable provisions of the Investment Company Act of 1940.

*It is further ordered*, That William W. Swift or any officer of the Commission designated by it for that purpose shall preside at said hearing. The officer so designated is hereby authorized to exercise all the powers granted to the Commission under sections 41 and 42 (b) of the Investment Company Act of 1940 and to a hearing officer under the Commission's rules of practice.

*It is further ordered*, That notice of such hearing is hereby given to Atomic-Electronics Fund, Inc., a Massachusetts corporation, 11 Lime Street, Boston 8, Massachusetts, and to Atomic and Electronic Fund, Inc., a Maryland corporation, First National Bank Building, Baltimore 2, Maryland, such notice to be given by registered mail and by publication in the FEDERAL REGISTER. Notice is also given to any other person or persons whose participation in such proceedings may be necessary or appropriate in the public interest or for the protection of investors, such notice to be given by publication of this notice and order in the FEDERAL REGISTER and by general release of the Commission, distributed to the press and mailed to the mailing list for releases. Either of the two respondent corporations may file an answer herein, setting forth any facts pertinent to the issues herein, not later than one week prior to the date of the hearing as hereinbefore ordered. Any other person desiring to be heard in said proceedings shall file with the Hearing Officer or the Secretary of the Commission, in accordance with and within the time specified by the Commission's rules of practice, his application as provided by Rule XVII of such rules, setting forth therein any issues of law or fact which he desires to controvert and any additional issues he deems raised by the aforesaid notifications.

By the Commission.

[SEAL]

ORVAL L. DuBOIS,  
Secretary.

[F R. Doc. 55-55; Filed, Jan. 4, 1955;  
8:48 a. m.]

# INTERSTATE COMMERCE COMMISSION

[Notice No. 41]

## MOTOR CARRIER APPLICATIONS

DECEMBER 31, 1954.

Protests, consisting of an original and two copies, to the granting of an application must be filed with the Commission within 30 days from the date of publication of this notice in the *FEDERAL REGISTER* and a copy of such protest served on the applicant. Each protest must clearly state the name and street number, city and state address of each protestant on behalf of whom the protest is filed (49 CFR 1.240 and 1.241). Failure to seasonably file a protest will be construed as a waiver of opposition and participation in the proceeding unless an oral hearing is held. In addition to other requirements of Rule 40 of the general rules of practice of the Commission (49 CFR 1.40) protests shall include a request for a public hearing, if one is desired, and shall specify with particularity the facts, matters and things relied upon, but shall not include issues or allegations phrased generally. Protests containing general allegations may be rejected. Requests for an oral hearing must be supported by an explanation as to why the evidence cannot be submitted in the form of affidavits. Any interested person, not a protestant, desiring to receive notice of the time and place of any hearing, prehearing conference, taking of depositions, or other proceedings shall notify the Commission by letter or telegram within 30 days from the date of publication of this notice in the *FEDERAL REGISTER*.

Except when circumstances require immediate action, an application for approval, under section 210a (b) of the act, of the temporary operation of motor carrier properties sought to be acquired in an application under section 5 (2) will not be disposed of sooner than 10 days from the date of publication of this notice in the *FEDERAL REGISTER*. If a protest is received prior to action being taken, it will be considered.

### APPLICATIONS OF MOTOR CARRIERS OF PROPERTY

No. MC 200 Sub 173, RISS & COMPANY, INC., 15 West 10th Street, Kansas City, Mo. For authority to operate as a *common carrier* over regular routes, transporting: *Class A and B explosives*, as defined by the Commission, between junction Alternate U. S. Highway 40 and U. S. Highway 40 (in Maryland) and points on U. S. Highway 301 located within two miles of the junction of U. S. Highway 301 and Maryland Highway 175, operating from junction U. S. Highway 40 and Alternate U. S. Highway 40, over U. S. Highway 40 to junction U. S. Highway 29, thence over U. S. Highway 29 to junction Maryland Highway 103, thence over Maryland Highway 103 to junction Maryland Highway 175, thence over Maryland Highway 175 to junction U. S. Highway 301, thence over U. S. Highway 301 to points within two miles of the junction of Maryland Highway 175, and U. S. Highway 301, and return

over the same route with service at junction of U. S. Highway 40 and Alternate U. S. Highway 40 for purpose of joinder only and with service at points on U. S. Highway 301 within two miles of junction of Maryland Highway 175 and U. S. Highway 301 for purpose of interchange only. Applicant states the purpose of instant application is to by-pass the City of Baltimore, Md., in the transportation of Class A and B explosives. Applicant is authorized to conduct operations in Colorado, Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky Maryland, Massachusetts, Michigan, Missouri, Nebraska, New Jersey New York, Ohio, Oklahoma, Pennsylvania, Texas, Virginia, West Virginia, and the District of Columbia.

No. MC 3261 Sub 18, KRAMER BROS. FREIGHT LINES, INC., 4195 Central Avenue, Detroit 10, Mich. Applicant's attorney: Walter N. Bieneman, Guardian Bldg., Detroit 26, Mich. For authority to operate as a *common carrier* over a regular route, transporting: *General commodities*, except those of unusual value, Class A and B explosives, livestock, household goods as defined by the Commission, and commodities requiring special equipment, between Lansing, Mich., and Flint, Mich., over Michigan Highway 78, serving no intermediate points, as an alternate route, in connection with carrier's regular route operations (a) between Saginaw, Mich., and Toledo, Ohio, and (b) between Lansing, Mich., and Detroit, Mich. Applicant is authorized to conduct operations in Delaware, Illinois, Indiana, Maryland, Michigan, New Jersey, New York, Ohio, Pennsylvania, and the District of Columbia.

No. MC 7674 Sub 4, POWHATAN TRANSPORTATION, INC., 58 Kent Street, Quincy 69, Mass. For authority to operate as a *common carrier* over irregular routes, transporting: *Granite*, and *monuments and memorials*, (1) from Niantic, Conn., to Quincy Mass., and (2) between Quincy, Mass., and New London, Conn. Applicant is authorized to conduct operations in Connecticut, Massachusetts, and Rhode Island.

No. MC 10928 Sub 24, SOUTHERN-PLAZA EXPRESS, INC., 1209 Washington Ave., St. Louis, Mo. Applicant's attorney: Charles F. Riddle, Suite 944 Washington Bldg., Washington 5, D. C. For authority to operate as a *common carrier* over regular routes, transporting: *General commodities*, except those of unusual value, household goods as defined by the Commission, commodities in bulk, commodities requiring special equipment, and those injurious or contaminating to other lading, from Springfield, Mo., over U. S. Highway 60 to junction U. S. Highway 69 at a point located approximately three miles north of Afton, Okla., as an alternate route, for operating convenience only, serving no intermediate points, in connection with carrier's regular route operations between St. Louis, Mo., and Tulsa, Okla., over U. S. Highway 66. Applicant is authorized to conduct operations in Missouri, Illinois, Tennessee, Texas, Oklahoma and Kansas.

No. MC 11185 Sub 84, J-T TRANSPORT COMPANY, INC., 6504 East 37th Street, Kansas City Mo. Applicant's attorney: James F. Miller, 500 Board of Trade, 10th and Wyandotte Streets, Kansas City 6, Mo. For authority to operate as a *contract carrier* over irregular routes, transporting: *Airplane parts*, uncrated, requiring special handling and special equipment, between Litchfield Park, Ariz., and Columbus, Ohio. Applicant is authorized to conduct operations in all States in the United States and the District of Columbia.

No. MC 16503 Sub 3, JOHN L. GUEX, P. O. Box 359, Shawano, Wis. Applicant's attorney: C. R. Dineen, Room 341 Empire Building, 710 North Plankinton Avenue, Milwaukee 3, Wis. For authority to operate as a *contract carrier* over irregular routes, transporting: *Such merchandise as is dealt in by wholesale and retail grocers*, from points in the Chicago, Ill., Commercial Zone, as defined by the Commission, including Calumet City Ill., to Menominee, Mich., and *empty containers or other such incidental facilities* (not specified) used in transporting the commodities specified in this application, on return movement. Applicant is authorized to conduct operations in Wisconsin and Michigan.

No. MC 16682 Sub 51, MURAL TRANSPORT, INC., 2900 Review Avenue, Long Island City New York. Applicant's representative: S. Sidney Eisen, 140 Cedar St., New York-6, N. Y. For authority to operate as a *common carrier* over irregular routes, transporting: *Store fixtures and store equipment*, between Beatrice and North Bend, Nebr., and St. Louis, Mo., on the one hand, and, on the other, points in Arizona, Arkansas, California, Colorado, Idaho, Iowa, Kansas, Missouri, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, and Wyoming. Applicant is authorized to conduct operations throughout the United States.

No. MC 17453 Sub 14, HULBERT FORWARDING COMPANY, INC., 590 Elk Street, Buffalo 5, N. Y. Applicant's attorney: George S. Dixon, Guardian Building, Detroit 26, Mich. For authority to operate as a *common carrier* over irregular routes, transporting: *New automobiles, automobile bodies, automobile chassis, and automobile parts and accessories*, in initial movements, in truck-away and driveaway service, from Kenosha, Wis., to Rome and Cooperstown, N. Y., and points on New York Highway 5, and points in New Hampshire, Massachusetts, Rhode Island, Connecticut, Maine and Vermont. **RESTRICTION** Restricted to the transportation of vehicles manufactured by the Hudson Motor Car Division of American Motors, Inc. Applicant is authorized to conduct operations in Connecticut, Maine, Massachusetts, Michigan, New Hampshire, New York, Ohio, Rhode Island, and Vermont.

No. MC 17481 Sub 12, MOORE MOTOR FREIGHT LINES, INC., 2091 Kasota Avenue, St. Paul 14, Minn. Applicant's representative: A. R. Fowler, 2288 University Avenue, St. Paul 14,

Minn. For authority to operate as a *common carrier* over irregular routes, transporting: *Sugar* from Chaska, Minn., to points in the Minneapolis-St. Paul, Minn., Commercial Zone as defined by the Commission. Applicant is authorized to conduct operations in Illinois, Iowa, Minnesota and Wisconsin.

No. MC 20722 Sub 8, M & G CONVOY, INC., 590 Elk Street, Buffalo 5, N. Y. Applicant's attorney: George S. Dixon, Guardian Building, Detroit 26, Mich. For authority to operate as a *common carrier* over irregular routes, transporting: *New automobiles, new trucks, new bodies, new cabs, new chassis and automobile parts*, in initial movements, in truckway and driveway service, from Kenosha, Wis. to points in Delaware, Maryland, New Jersey Pennsylvania, New York and the District of Columbia. RESTRICTION Authority applied for to be restricted to transportation of vehicles manufactured by the Hudson Motor Car Division of American Motors, Inc. Applicant is authorized to conduct operations in Delaware, Maryland, Michigan, New Jersey New York, North Carolina, Ohio, Pennsylvania, Virginia and the District of Columbia.

NO. MC 21170 Sub 30, BOS FREIGHT LINES, INCORPORATED, 408 South Twelfth Avenue, Marshalltown, Iowa. For authority to operate as a *common carrier* over irregular routes, transporting: *Mobile tropospheric scatter terminals*, consisting of transmitter, modulator, receiver, propagation indicators, multiplexing equipment, teletype equipment, duplexers, antennas, transmission line, trailer-truck modification and equipment installations produced and assembled by Collins Radio Company, between points in the United States.

No. MC 21988 Sub 3, TORSNEY & MOLONEY TRUCKING CO., INC., 281 11th Avenue, New York, N. Y. Applicant's attorney: Edward M. Alfano, 36 West 44th Street, New York 36, N. Y. For authority to operate as a *common carrier* over irregular routes, transporting: *Paper milk containers*, set up, from Jersey City N. J., to Beacon, N. Y., and *damaged and defective shipments* on return movement. Applicant is authorized to conduct operations in New Jersey and New York.

No. MC 30012 Sub 58, GEORGE H. BLEWETT, LEONARD W. HARPER AND MARION L. MARTIN, doing business as T. S. C. MOTOR FREIGHT LINES, 400 Pinckney Houston, Tex. Applicant's attorney: Scott P. Sayers, Century Life Building, Fort Worth, Tex. For authority to operate as a *common carrier* transporting: *General commodities*, except those of unusual value, class A and B explosives, household goods as defined by the Commission, commodities in bulk, commodities requiring special equipment, and those injurious or contaminating to other lading, serving the LeTourneau Plant, located near Vicksburg, Miss., as an off-route point in connection with the carrier's regular route operations to and from Vicksburg, Miss., over U. S. Highway 80. Applicant is authorized to conduct operations in Alabama, Louisiana, Mississippi, and Texas. (This proceeding is directly related to

the Section 5 application No. MC-F 5854, published in the FEDERAL REGISTER date of December 15, 1954, page 8598)

No. MC 36422 Sub 8, MERCHANTS CONTRACT DELIVERIES, INC., 1706-14 Washington Street, Kansas City Mo. For authority to operate as a *contract carrier* over irregular routes, transporting: *Such merchandise as is dealt in by retail department and mail order stores as may be traded in as part payment on merchandise purchased, and such of the said merchandise as may be sent in by customers for exchange, repair renovation, upholstering or overhauling*, from points in Doniphan, Atchison, Miami, Linn, Bourbon, Crawford, Anderson, Franklin, Douglas, Jefferson, Jackson, Shawnee, Osage, Lyon, Wabunsee, Pottawatomie, Brown, Nemaha, Allen, Neosho, Coffey Geary Leavenworth, Johnson, and Wyandotte Counties, Kans., to Kansas City Mo., and *return, damaged or defective shipments* of the above-specified commodities on return movements. (Applicant has irregular route operations to transport such merchandise as is dealt in by retail department and mail order stores from Kansas City Mo., to the above-specified points, with returned, damaged or defective shipments on return movements) Applicant is authorized to conduct operations in Kansas and Missouri.

No. MC 43442 Sub 7, TRANSPORTATION SERVICE, INC., 1946 Bagley Avenue, Detroit 16, Mich. For authority to operate as a *common carrier* transporting: *General commodities*, except those of unusual Class A and B explosives, household goods as defined by the Commission, commodities in bulk, and those requiring special equipment, serving Forest, Ohio, as an off-route point in connection with carrier's regular route operations between Fostoria, Ohio and Springfield, Ohio. Applicant is authorized to conduct operations in Michigan and Ohio.

No. MC 60302 Sub 7, T. GROVER HOWELL, doing business as HOWELL TRANSFER COMPANY, 200 West Graham Street, Shelby N. C. Applicant's attorney: John J. Mahoney Jr., Royster Building, Shelby, N. C. For authority to operate as a *common carrier* over irregular routes, transporting: *Household goods* as defined by the Commission and *general commodities*, except commodities of unusual value, class A and B explosives, commodities in bulk, and those requiring special equipment, between points in Cleveland County, N. C., on the one hand, and, on the other, points in Georgia. Applicant is authorized to conduct operations in North Carolina, South Carolina, and Virginia.

No. MC 60303 Sub 5, ROY BARSH, doing business as ROY BARSH TRUCK LINE, 1219½ Main Street, Joplin, Mo. Applicant's attorney: Stanley P. Clay, 209 Joplin National Bank Building, Joplin, Mo. For authority to operate as a *common carrier* over irregular routes, transporting: *Glass containers and glassware*, from points in Creek County, Okla., to points in California. Applicant is authorized to conduct operations in Alabama, Arizona, Arkansas, Colorado, Florida, Georgia, Kansas, Mississippi,

Missouri, New Mexico, Oklahoma, Texas and Wyoming.

No. MC 76266 Sub 90, MERCHANTS MOTOR FREIGHT, INC., 2625 Territorial Road, St. Paul, Minn. Applicant's attorney: Jack Goodman, 39 South La Salle Street, Chicago 3, Ill. For authority to operate as a *common carrier* over regular routes, transporting: *General commodities*, except those of unusual value, and except Class A and B explosives, household goods as defined by the Commission, livestock, commodities in bulk, commodities requiring special equipment, and those injurious or contaminating to other lading, between Cleveland, Ohio, and junction U. S. Highway 20 and Ohio Highway 10, over Ohio Highway 10, serving no intermediate points, but serving the junction of U. S. Highway 20 and Ohio Highway 10 as a point of joinder only as an alternate route in connection with carrier's regular route operations between Elkhart, Ind., and Cleveland, Ohio, and between Cleveland, Ohio and Fremont, Ohio. Applicant is authorized to conduct operations in Colorado, Illinois, Indiana, Iowa, Kansas, Minnesota, Missouri, Nebraska, Ohio and Wisconsin.

No. MC 77404 Sub 4, MOHAWK MOTOR, INC., 40 Harrison Street, Tiffin, Ohio. Applicant's attorney: Taylor C. Burneson, 3510 LeVeque-Lincoln Tower, Columbus 15, Ohio. For authority to operate as a *common carrier* transporting: *General commodities*, except those of unusual value, and except Class A and B explosives, household goods as defined by the Commission, commodities in bulk, commodities requiring special equipment, and those injurious or contaminating to other lading, serving (1) Oakwood, Ohio and points within three miles of Oakwood, as off-route points in connection with carrier's regular route operations between Lima, Ohio, and Fort Wayne, Ind., (2) and Forest, Ohio and points within three miles of Forest, as off-route points in connection with carrier's regular route operations between Dayton, Ohio and Fremont, Ohio. Applicant is authorized to conduct operations in Indiana, Michigan and Ohio.

No. MC 78786 Sub 203, PACIFIC MOTOR TRUCKING COMPANY a corporation, 65 Market Street, San Francisco 5, Calif. For authority to operate as a *common carrier* over regular routes, transporting: *General commodities, including articles of unusual value*, but excluding Class A and B explosives, livestock, household goods as defined by the Commission, commodities in bulk, and those requiring special equipment, between Mojave, Edison and Arvin, Calif., operating: (1) from Mojave over U. S. Highway 466 to junction unnumbered highway east of Edison, (connecting with carrier's authorized regular route as described in Item 74 of Certificate No. MC 78786) (2) from Arvin over unnumbered highway to junction U. S. Highway 466. (3) from junction U. S. Highway 466 and unnumbered highway over unnumbered highway to Caliente, Calif., and return over the above described routes, serving all intermediate points which are stations on the line of Southern Pacific Company Applicant is authorized to conduct operations in Ari-

zona, California, Nevada, Oregon and Texas.

No. MC 78786 Sub 204, **PACIFIC MOTOR TRUCKING COMPANY**, a corporation, 65 Market Street, San Francisco 5, Calif. For authority to operate as a *common carrier* over regular routes, transporting: *General commodities, including those of unusual value, commodities in bulk, commodities requiring special equipment*, but excluding Class A and B explosives and household goods as defined by the Commission, between points in California as authorized in Item 66 of Certificate No. MC 78786, specifically as follows: (1) from Tracy over U. S. Highway 50 via Stockton to Sacramento; (2) from Lodi over California Highway 12 to junction unnumbered highway thence over unnumbered highway via Woodbridge to Galt; (3) from junction U. S. Highway 50 and unnumbered highway over said unnumbered highway via Elk Grove and Florin, to junction U. S. Highway 50 west of Florin; (4) from Lodi over California Highway 12 to junction California Highway 88, and return over the above routes to the above-specified origin points. Service is authorized to and from all on-rail intermediate points on and all on-rail off-route points within 2 miles of, the above specified regular routes. **RESTRICTIONS.** (a) The service to be performed shall be limited to that which is auxiliary to, or supplemental of, railroad or railway express service; (b) The carrier shall not serve any point not a station on a railroad, except as otherwise authorized, (c) The carrier shall not transport shipments between Sacramento and Stockton or through or to or from more than one of such points; (d) All contractual arrangements between the said carrier and any railroad or railway express carrier to whose services its service is auxiliary or supplementary shall be reported to this Commission and shall be subject to revision if and as this Commission may find it necessary in order that such arrangements shall be fair and equitable to the parties; and (e) Such further conditions as the Commission in the future, may find it necessary to impose in order to restrict the carrier's operations to service which is auxiliary to, or supplemental of, railroad or railway express company service. Applicant is authorized to conduct operations in Arizona, California, Nevada, Oregon and Texas. **NOTE:** The purpose of this application is to remove the key point of Sacramento, Calif., and to substitute therefor the key points of Lincoln, Rocklin, Davis, and Woodland, Calif., in performing the above-described authorized service.

No. MC 94542 Sub 18, **JOHN G. MILLER**, doing business as **MILLER TRUCKING COMPANY**, Route 5, Gettysburg, Pa. Applicant's attorney: Frank B. Hand, Jr., Transportation Building, Washington 6, D. C. For authority to operate as a *common carrier*, over irregular routes, transporting: *Canned goods*, (1) from Mount Jackson and Berryville, Va., to points in Tennessee, (2) from Mount Jackson, Va., to points in Ohio, and (3) from Mount

Jackson, Winchester and Berryville, Va., to points in Indiana and Illinois, and *empty containers or other such incidental facilities* (not specified) used in transporting the commodities specified in this application, on return movement. Applicant is authorized to conduct operations in Pennsylvania, New York, Ohio, Virginia, and Massachusetts.

No. MC 94871 Sub 7, **FOX BROS., Inc.**, P. O. Box 395, Brookings, Ore. Applicant's attorney: Norman E. Sutherland, 1100 Jackson Tower, Portland 5, Ore. For authority to operate as a *common carrier* over irregular routes, transporting: (1) *Roofing and roofing materials*, from San Francisco, and Emeryville, Calif., to Brookings, Ore., (2) *Tires and tubes*, from San Francisco and Los Angeles, Calif., to Brookings, Ore., (3) *petroleum and petroleum products*, viz: *Oil*, in drums, barrels or cases, from Richmond, Calif., to Brookings, Ore., (4) *caustic soda*, in drums or bags, from Pittsburg, Calif., to Brookings, Ore., and (5) *soda ash and lime*, in drums or bags, from San Francisco, Calif., to Brookings, Ore. **RESTRICTION.** Transportation of the above-specified commodities to be restricted to shipments weighing 20,000 pounds or more. Applicant is authorized to conduct operations in Oregon and California.

No. MC 96568 Sub 8, **ROBERT R. MUSKIN AND JEROLD B. MUSKIN**, doing business as **MUSKIN TRUCKING CO.**, East Palestine, Ohio. Applicant's attorney: Noel F. George, 44 East Broad Street, Columbus 15, Ohio. For authority to operate as a *contract carrier* over irregular routes, transporting: *New furniture*, uncrated, from the site of the Kenmar Manufacturing Company approximately seven (7) miles north of Ottumwa, Iowa and approximately one and one-half miles west of U. S. Highway 63, to points in Kentucky. Applicant is authorized to conduct operations in Alabama, Arkansas, Colorado, Connecticut, Delaware, Illinois, Indiana, Kansas, Kentucky Louisiana, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Mississippi, Nebraska, New Jersey, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Dakota, Tennessee, West Virginia, Wisconsin, and the District of Columbia.

No. MC 99080 Sub 2, **JOHN R. YOWS AND NEIL G. YOWS**, doing business as **AMARILLO-BORGER EXPRESS**, 1619 West Third Avenue, Amarillo, Tex. Applicant's attorney: Sterling E. Kinney, Amarillo Building, Suite 630, Amarillo, Tex. For authority to operate as a *common carrier* over regular routes, transporting: *Compressed gases* in specially built government owned trailers and *empty specially built government owned trailers*, between Amarillo, Tex., and Borger, Tex., from Amarillo, over U. S. Highway 60 to Panhandle, and thence over Texas Highway 117 to Borger, and return over the same route; also between Amarillo, Tex., and Borger, Tex., over Texas Highway 136, serving no intermediate points on the described routes.

No. MC 104654 Sub 103, **COMMERCIAL TRANSPORT, INC.**, South 30th Street, Belleville, Ill. Applicant's attorney: Mack Stephenson, First National

Bank Building, Springfield, Ill. For authority to operate as a *common carrier* over irregular routes, transporting: *Petroleum and petroleum products*, in bulk, in tank vehicles, from Birds Point, Mo., and points within ten (10) miles thereof, to points in Illinois, Missouri, Kentucky and Tennessee. Applicant is authorized to conduct operations in Arkansas, Illinois, Indiana, Iowa, Kentucky, Missouri, and Tennessee.

No. MC 107295 Sub 42, **PRE-FAB TRANSIT CO.**, an Illinois Corporation, Farmer City, Ill. Applicant's attorney: Mack Stephenson, First National Bank Building, Springfield, Ill. For authority to operate as a *common carrier* over irregular routes, transporting: *Prefabricated buildings*, knocked down, or in sections, and *parts* thereof, from Fort Payne, Ala., to points in Florida. Applicant is authorized to conduct operations throughout the United States.

No. MC 109734 Sub 68, **SYSTEM TANK LINES, INC.**, 299 Adeline St., Oakland, Calif. Applicant's attorney: William B. Adams, Pacific Building, Portland 4, Ore. For authority to operate as a *common carrier* over irregular routes, transporting: *Petroleum and petroleum products*, in bulk, in tank vehicles, between points in that part of Washington east of the western boundaries of Okanogan, Chelan, Kittitas, Yakima, and Klickitat Counties, Wash. Applicant is authorized to conduct operations in Montana, Idaho, Oregon, Washington, California, Arizona, Nevada, and Utah.

No. MC 110940 Sub 5, **ROBINS TRANSFER COMPANY, INC.**, Post Office Box 36, Powderly Station, Birmingham, Ala. For authority to operate as a *common carrier* over irregular routes, transporting: *Petroleum products*, in bulk, in tank vehicles, from Tuscaloosa, Ala., to points in Mississippi, and *petroleum products*, except asphalt and asphalt products, in bulk, in tank vehicles, from Birmingham, Ala., to points in Tennessee and Georgia. Applicant is authorized to conduct operations in Alabama, Georgia, Mississippi, Tennessee, Florida, Kentucky, Louisiana, North Carolina, South Carolina, and Arkansas.

No. MC 110988 Sub 36, **KAMPO TRANSIT, INC.**, 200 Cecil St., Neenah, Wis. Applicant's attorney: Adolph E. Solie, 715 First National Bank Building, Madison 3, Wis. For authority to operate as a *common carrier* over irregular routes, transporting: *Emulsion, paper coating*, in bulk, in tank vehicles, from Washington Court House, Ohio, to points in Illinois, Minnesota and Wisconsin.

No. MC 111401 Sub 55, **GROENDYKE TRANSPORT, INC.**, 2204 North Grand, Enid, Okla. For authority to operate as a *common carrier* over irregular routes, transporting: *Petroleum and petroleum products*, in bulk, in tank vehicles, between points in Texas and those in New Mexico on and south of U. S. Highway 66. Applicant is authorized to conduct operations in Colorado, Kansas, New Mexico, Oklahoma, and Texas.

No. MC 113740 Sub 2, **F. E. FLEMING**, Box 213, Route 5, Parkville, Mo. Applicant's attorney: Edgar S. Carroll, 2302 Bryant Bldg., 1102 Grand Ave., Kansas City 6, Mo. For authority to operate as



a *contract carrier* over irregular routes, transporting: *Haydite* (expanded, crushed shale) in bulk, in special equipment, from New Market, Mo., to points in Kansas within a fifty (50) mile radius of New Market.

No. MC 114658 Sub 1, ALFRED J. MARTS, doing business as MARTS MOTOR SERVICE, 8106 Atlantic Avenue, Wildwood Crest, N. J. Applicant's attorney: Samuel M. Garfinkle, 220 East Wildwood Avenue, Wildwood, N. J. For authority to operate as a *common carrier* over a regular route, transporting: *Household goods* as defined by the Commission, and *general commodities*, except commodities of unusual value, Class A and B explosives and inflammable materials, commodities in bulk, and those requiring special equipment, between Philadelphia, Pa., and Wildwood, N. J., from Philadelphia, Pa., across the Delaware River via toll bridge to Camden, N. J., thence over New Jersey Highway 38 to junction U. S. Highway 130, thence over U. S. Highway 130 to junction New Jersey Highway 47, thence over New Jersey Highway 47, via Millville, to junction New Jersey Highway 585, and thence over New Jersey Highway 585 to Wildwood, N. J., and return over the same route, serving no intermediate points, but serving the off-route points of Cape May City, Villas, Cape May Court House, Stone Harbor, Avalon and Sea Isle City N. J.

No. MC 114606 Sub 2, S. F. DOUGLAS TRUCK LINE, INC., 2420 Minnehaha Avenue, Minneapolis 4, Minn. Applicant's representative: A. R. Fowler, 2288 University Avenue, St. Paul 14, Minn. For authority to operate as a *common carrier* over irregular routes, transporting: *Sugar* from Chaska, Minn., to points in the Minneapolis, Minn.-St. Paul, Minn., Commercial Zone as defined by the Commission.

No. MC 114775 Sub 1, EBER STAUT-AMOYER, doing business as STAUT-AMOYER TRUCKING SERVICE, 2101 West 9th Street, Muncie, Ind. Applicant's attorney: Mario Pieroni, 523 Johnson Building, Muncie, Ind. For authority to operate as a *contract carrier* over irregular routes, transporting: *Nickle silver stock*, from Seymour, Conn., to Muncie, Ind., and *nickle silver scrap*, in bales, from Muncie, Ind., to Seymour, Conn.

No. MC 114906 Sub 2, HOWARD JONES, Hiawatha, Kans. For authority to operate as a *contract carrier* over irregular routes, transporting: *Fertilizer* in bulk, from Falls City Nebr., to points in Brown County, Kans., and those points in Doniphan County Kans., which are located within eight miles of the Brown-Doniphan County Line.

No. MC 115087, DeKALB TRUCK LINE, INC., P. O. Box 125, Fort Payne, Ala. Applicant's attorney: George C. Hawkins, 752 Forrest Avenue, Gadsden, Ala. For authority to operate as a *Common carrier* over irregular routes, transporting: *General commodities*, except articles of unusual value, Class A and B explosives, household goods as defined by the Commission, commodities in bulk, and those requiring special equipment, between points in DeKalb and

Cherokee Counties, Ala., on the one hand, and, on the other, points in that part of Georgia on and west of a line beginning at the Alabama-Georgia State line near Lanett, Ala., and extending along U. S. Highway 29 to Atlanta, Ga., thence along U. S. Highway 41 to the Georgia-Tennessee State line, including points located on the indicated portions of the highways specified, and points within ten (10) miles of Atlanta, Ga.

No. MC 115094, ANTHONY T. BOLLISH, 1210 Diamond Avenue, Scranton, Pa. For authority to operate as a *common carrier* over irregular routes, transporting: *Building blocks* and *lintels* from Scranton, Pa., to points in New York and New Jersey within a 300 mile radius of Scranton, Pa., and *slate* and *stone* from West Nicholson, Pa., to points in New York and New Jersey within a 300 mile radius of Scranton, Pa.

No. MC 115101, KANSAS HIDE AND WOOL COMPANY, INC., 205 Osage St., Manhattan, Kans. Applicant's attorney: Harry W. Colmery, National Bank of Topeka Building, Topeka, Kans. For authority to operate as a *contract carrier* over irregular routes, transporting: *New storage batteries*, from (1) Leavenworth, Kans., to Alliance, Scottsbluff, Sidney North Platte, McCook, Holdrege, Kearney Grand Island, Hastings, Norfolk, Columbus, Fairbury Beatrice, Lincoln, Fremont, Omaha, Nebraska City and Falls City, Nebr., and St. Joseph, Maryville, Trenton, Kirksville, Chillicothe, Kansas City, Lexington, Carrollton, Moberly Mexico, Columbia, Jefferson City Sedalia, Nevada, Joplin, and Springfield, Mo., and (2) Emporia, Kans., to Omaha, Lincoln, Columbus, York, Grand Island, Kearney, and North Platte, Nebr., St. Joseph, Brookfield, Kansas City, Clinton, Nevada, Joplin, Springfield, and Maryville, Mo., and Sioux City, Council Bluffs, Shenandoah, Atlantic, Boone, Des Moines, Waterloo, Cedar Rapids, Iowa City, Oskaloosa, and Ottumwa, Iowa.

No. MC 115103, D. L. BROWN AND E. H. BROWN, doing business as BROWN OIL COMPANY, Winner, S. Dak. Applicant's attorney: G. F. Johnson, Gregory, S. Dak. For authority to operate as a *common carrier* over irregular routes, transporting: *Petroleum products*, specifically *gasoline*, *diesel fuel*, *all fuel oils* and *jet fuel*, in bulk, in tank vehicles, from North Platte and Sidney Nebr., to points in Hughes, Potter, Sully and Charles Mix Counties, S. Dak. and points in all counties in South Dakota west of the Missouri River.

No. MC 115105, HOWARD WELSAND and GLADYS WELSAND, doing business as WELSAND TRANSFER CO., 313 Litchfield Avenue, South, Litchfield, Minn. Applicant's representative: A. R. Fowler, 2288 University Avenue, St. Paul 14, Minn. For authority to operate as a *common carrier* over irregular routes, transporting: *New store and office fixtures and furniture*, from Hutchinson, Minn., to points in Iowa, North Dakota, South Dakota and Wisconsin, and *damaged shipments* on return movements.

No. MC 115109, CHARLES J. GROS-KOPF AND STEWART R. WEIDER, doing business as GROS-KOPF-WEIDER TRUCKING COMPANY, 1761 Denmark

Street, Sonoma, Calif. Applicant's attorney: J. Richard Townsend, Mills Tower, San Francisco, Calif. For authority to operate as a *common carrier* over irregular routes, transporting: *Plywood*, from Sonoma, Calif., and points within three (3) miles thereof, to points in California, Nevada, Arizona and Utah.

#### APPLICATIONS OF MOTOR CARRIERS OF PASSENGERS

No. MC 228 Sub 14, HUDSON TRAN-SIT LINES, INC., Franklin Turnpike, Mahwah, N. J. Applicant's attorney: James F. X. O'Brien, 17 Academy St., Newark 2, N. J. For authority to operate as a *common carrier* over a regular route, transporting: *Passengers and their baggage*, and *express, mail, and newspapers*, in the same vehicle with passengers, between Ramsey N. J., and Hillburn, N. Y., over New Jersey Highway 17 (formerly New Jersey Highway 2) from junction the Franklin Turnpike in Ramsey to the New Jersey-New York State line, thence over New York Highway 17 to junction New York Highway 59 in Hillburn, and return over the same route, serving all intermediate points. This application is in effect a request for authority (1) to serve all intermediate points on above-described route over which applicant is presently operating restricted against service at intermediate points and (2) to add the transportation of express, mail, and newspapers over said route. Applicant is authorized to conduct operations in New Jersey New York, and Pennsylvania.

No. MC 1517 Sub 23, published on page 7593 of issue of November 24, 1954, now amended and reassigned No. MC 1501 Sub 93 to reflect substitution of THE GREYHOUND CORPORATION, a corporation, 2600 Board of Trade Building, Chicago, Ill., as applicant therein in lieu of New England Greyhound Lines, Incorporated. Applicant's attorney: Drew L. Carraway, Suite 618 Perpetual Building, 1111 E St., N. W., Washington 4, D. C. Application as amended and reassigned new docket number to reflect substitution of applicant still directly related to MC-F-5822, published under Section 5 applications in issues of November 24, 1954. Applicant is authorized to conduct operations throughout the United States.

No. MC 94774 Sub 1, BROWN'S BUS SERVICE, INC., Main Street, W Collingswood Heights, P. O. Mt. Ephraim—Box 474, N. J. Applicant's attorney: Walter S. Anderson, Wilson Bldg., Broadway at Cooper St., Camden 2, N. J. For authority to operate as a *common carrier* over regular routes, transporting: *Passengers and their baggage*, in the same vehicle with passengers between Camden, N. J., and Chester, Pa., operating from the intersection of Broadway and Morgan Blvd. (New York Shipbuilding Corporation gate) Camden, N. J., thence over Morgan Blvd., Morgan Street, Fairview Street, and Mt. Ephraim Ave. (N. J. Highway 42) in Camden to U. S. Highway 130, thence over U. S. Highway 130 to junction Bridgeport Ferry Road (U. S. Highway 322) thence over U. S. Highway 322 to Bridgeport-Chester Ferry for crossing of



Delaware River, thence over U. S. Highway 322 (Flower Street)\* to intersection of Ninth Street, in Chester, Pa., and return over the same route, serving no intermediate points. Applicant is authorized to conduct operations in charter service, in New Jersey, Pennsylvania, Maryland, Delaware, and Washington, D. C.

No. MC 115023, STERLING P. DICKINSON, doing business as DICKINSON'S TAXI, 608 Washington Street, Cape May N. J. Applicant's attorney: Charles W. Sandman, Jr., 509 Washington Street, Cape May, N. J. For authority to operate as a *common carrier* over irregular routes, transporting: *Passengers and their baggage*, in the same vehicle with passengers, in special and charter operations, in non-scheduled door-to-door service, from Cape May N. J., to Philadelphia, Pa., New York, N. Y., and the District of Columbia, and return to point of origin. **RESTRICTION.** The service applied for to be limited to the transportation of not more than seven passengers in any one vehicle, not including the driver thereof, and not including children under 10 years of age who do not occupy a seat or seats.

No. MC 115104, JERSEY RESORT SEDAN SERVICE, INC., 313 Fourth Street, Lakewood, N. J. Applicant's attorney: Sol Faseliner, 20 South Broadway Yonkers 2, N. Y. For authority to operate as a *common carrier* over irregular routes, transporting: *Passengers and their baggage*, in the same vehicle with passengers, in special operations, in non-scheduled, door-to-door service, between Philadelphia, Pa., on the one hand, and, on the other, Lakewood, N. J., and points within 20 miles of Asbury Park, N. J. **RESTRICTION.** Service under the authority applied for herein to be limited to the transportation of not more than six passengers in any one vehicle, not including the driver thereof, and not including children under ten years of age who do not occupy a seat or seats.

#### APPLICATIONS UNDER SECTION 5 AND 210 (a) (b)

No. MC-F-5839 filed in the December 1, 1954 issue of the FEDERAL REGISTER on page 7920. Supplemental application filed December 21, 1954, to show SCRIBNER BIRLENBACH as the person in control of TRANSCON LINES.

No. MC-F-5872. Authority sought for purchase by KOTT STORAGE & VAN CO., INC., 6645 Stanley Ave., Berwyn, Ill., of the operating rights and property of RUSSELL KOTT, doing business as KOTT STORAGE & VAN COMPANY, 6645 Stanley Ave., Berwyn, Ill., and for acquisition by RUSSELL KOTT, of control of the operating rights and property through the purchase. Person to whom correspondence is to be addressed: Russell Kott, 6645 Stanley Ave., Berwyn, Ill. Operating rights sought to be transferred: *Household goods*, as defined by the Commission, as a *common carrier* over irregular routes, between Chicago, Ill., and points in Illinois within 50 miles of Chicago, on the one hand, and, on the other, points in New York, New Jersey, Pennsylvania, Connecticut, Massachusetts, Illinois, Indiana, Michigan,

Ohio, Missouri, Iowa, Wisconsin, Minnesota, Kentucky, Alabama, Nebraska, Tennessee, and the District of Columbia. Vendee holds no authority from the Commission, but vendor is affiliated with North American Van Lines, Inc., which is authorized to operate in all states and the District of Columbia. Application has not been filed for temporary authority under section 210a (b).

No. MC-F-5873. Authority sought for purchase by F. D. HARTWICK, doing business as NEHALEM VALLEY MOTOR FREIGHT, 1321 S. E. Water Ave., Portland, Ore., of a portion of the operating rights and certain property of C. F. CORBETT, doing business as SERVICE AUTO FREIGHT CO., 1419 N. W. Overton St., Portland, Ore. Applicant's attorney: Donald A. Schafer, 803 Public Service Bldg., Portland, Ore. Operating rights sought to be transferred: *General commodities*, with certain exceptions, not including household goods, as a *common carrier* over regular routes, between Portland and Astoria, Ore., serving certain intermediate and off-route points; *general commodities*, including household goods, between Astoria and Cannon Beach, Ore., serving all intermediate points and certain off-route points. Vendee is authorized to operate in Oregon. Application has been filed for temporary authority under section 210a (b).

No. MC-F-5874. Authority sought for purchase by HEUER TRUCK LINES, INC., 306 May St., Marshalltown, Iowa, of the operating rights and property of AMERICAN TRANSFER & STORAGE COMPANY, 401 First St., S. E., Cedar Rapids, Iowa, and for acquisition by MARY L. HEUER, F. E. HEUER, and S. L. HEUER, all of Marshalltown, Iowa, of control of the operating rights and property through the purchase. Applicant's attorney: William A. Landau, 1307 East Walnut St., Des Moines, Iowa. Operating rights sought to be transferred: *Commodities*, classified as meats, meat products, meat by-products and articles distributed by meat packing houses in sections A, and C of the appendix to the report in *Modification of Permits—Packing House Products*, 46 M. C. C. 23, as a *common carrier* over irregular routes, from Waterloo, Iowa, to Greensburg and Terre Haute, Ind., *packinghouse products* as defined in sections A, B, & C of the appendix to Ex Parte No. M. C. C. 38, *Modification of Permits—Packing House Products*, 46 M. C. C. 23, 33, from Waterloo, Iowa, to La Fayette, Muncie, and Anderson, Ind., *household goods*, as defined by the Commission, between points in Linn County, Iowa, on the one hand, and, on the other, points in Indiana, Wisconsin, Missouri, Illinois, Nebraska, Minnesota, South Dakota, and North Dakota, *groceries*, from Moline, Ill., to Cedar Rapids, Waterloo, Iowa City, Grinnell, and Dubuque, Iowa, *paper products*, *wall paper* *malt beverages*, *dairy products* and *supplies*, *plumbing fixtures* and *supplies*, *canned goods*, *farm machinery* and *parts* *farm hardware*, *breakfast food* and *cereals*, *refractory products*, and *corn products*, from, to, and between points in Iowa, Illinois, Wisconsin, Indiana, Ohio and Nebraska. Vendee is

authorized to operate in Missouri, Oklahoma, Iowa, Michigan, Kansas, Indiana, Ohio, Nebraska, Illinois, Minnesota, Wisconsin, New York, Pennsylvania, and Colorado. Application has not been filed for temporary authority under section 210a (b).

No. MC-F-5875. Authority sought for purchase by ROBERT A. GALPIN and ADRIAN MILLHOUSER, doing business as ARROW COACH LINES, 119 South Jefferson St., Ottumwa, Iowa, of a portion of the operating rights of AMERICAN BUS LINES, INC. (RICHARD W. SMITH AND W. F. AIKMAN, TRUSTEES) 1341 P Street, Lincoln, Nebr. Applicants' attorneys: R. Granville Curry Southern Bldg., Washington 5, D. C., and E. K. Bekman, 107 North Court St., Ottumwa, Iowa. Operating rights sought to be transferred: *Passengers and their baggage*, as a *common carrier* over regular routes, between Albia, Iowa, and Centerville, Iowa, serving all intermediate points. Vendee is authorized to operate in New York, Ohio, Illinois, Missouri, New Mexico, New Jersey, Arkansas, Mississippi, Wyoming, Colorado, Pennsylvania, Indiana, California, Texas, Arizona, Maryland, Tennessee, Alabama, Michigan, Nebraska, Utah, Iowa, Kansas, South Dakota, Oklahoma, Montana, Nevada, and the District of Columbia. Application has not been filed for temporary authority under section 210a (b).

No. MC-F-5876. Authority sought for purchase by HARRY MCKENZIE TRUCKING COMPANY, 6446 E. Saginaw, Selma, Calif., of the operating rights of F. M. HAMMACK, doing business as HAMMACK'S TRANSFER, 1259 D St., Reedley, Calif., and for acquisition by HARRY MCKENZIE, Selma, Calif., of control of the operating rights through the purchase. Applicants' attorney: Marvin Handler, 465 California St., San Francisco 4, Calif. Operating rights sought to be transferred: *Oranges*, as a *common carrier* over irregular routes, from Woodlake, Calif., and points within 50 miles of Woodlake, to San Francisco, Alameda, Oakland, and Los Angeles Harbor, Calif., *dried fruits* and *canned goods*, from Fresno, Calif., and points within 50 miles of Fresno, to San Francisco and Stockton, Calif., *deciduous fruits*, from Exeter, Calif., and points within 50 miles of Exeter, to San Francisco, Oakland, Alameda, and Los Angeles Harbor, Calif., Vendee is authorized to operate in California. Application has not been filed for temporary authority under section 210a (b).

No. MC-F-5877. Authority sought for purchase by ROSS McCLAIN, SAMUEL R. McCLAIN and JOHN F. McCLAIN, a partnership, doing business as McCLAIN DRAY LINE, 404 Railroad Ave., Marion, Ind., of the operating rights and property of WAGNER TRUCKING CO., INC., 600 South Monroe St., Muncie, Ind. Applicants' attorney: Robert W. Loser, 317 Chamber of Commerce Bldg., Indianapolis, Ind. Operating rights sought to be transferred: *General commodities*, with certain exceptions including household goods, as a *common carrier* over regular routes, between Richmond, Ind., and Muncie, Ind., between Marion, Ind.,

and Muncie, Ind., and between Muncie, Ind., and Connersville, Ind., serving certain intermediate points; *property* under the Second Proviso of Section 206 (a) of the Act, between Newcastle and Hagerstown, Ind. Vendee is authorized to operate in Illinois and Indiana. Application has not been filed for temporary authority under section 210a (b)

No. MC-F-5878. Authority sought for purchase by BOSTON AND ROCKLAND TRANSPORTATION CO., 44 Maverick St., Rockland, Me., of the operating rights and property of O. E. HARPER, Southwest Harbor, Me., and for acquisition by SHERWOOD S. UPHAM, IRMA K. UPHAM, and FRANK L. KALER, Rockland, Me., of control of the operating rights and property through the purchase. Person to whom correspondence is to be addressed: Frank L. Kaler, 44 Maverick St., Rockland, Me. Operating rights sought to be transferred: *General commodities*, with certain exceptions not including household goods, as a *common carrier* over regular routes, between Seal Cove, Me., and Rockland, Me., serving certain intermediate and off-route points; *fresh fish*, between Tremont, Me., serving certain intermediate points; *lobsters*, between Tremont, Me., and Boston, and Gloucester, Mass., serving certain intermediate points; *general commodities*, without exceptions, over irregular routes, between Ellsworth, Me., and points on Mount Desert Island, Me. Vendee is authorized to operate in Massachusetts and Maine. Application has been filed for temporary authority under section 210a (b)

By the Commission.

[SEAL] GEORGE W LAIRD,  
Secretary.

[F. R. Doc. 55-73; Filed, Jan. 4, 1955;  
9:52 a. m.]

[4th Sec. Application 30070]

ROOFING GRANULES FROM THE EAST TO  
CHICAGO AND JOLIET, ILL.

APPLICATION FOR RELIEF

DECEMBER 31, 1954.

The Commission is in receipt of the above-entitled and numbered application for relief from the long-and-short-haul provision of section 4 (1) of the Interstate Commerce Act.

Filed by: C. W. Boin and C. R. Goldrich, Agents, for carriers parties to their tariffs I. C. C. Nos. A-1015 and 591, respectively.

Commodities involved: Chips or granules (roofing granules) carloads.

From: Points in trunk-line and New England territories.

To: Chicago and Joliet, Ill.

Grounds for relief: Competition with rail carriers, circuitous routes, and market competition.

Schedules filed containing proposed rates: Agent Boin's I. C. C. No. A-1015, Supp. No. 46; Agent Goldrich's I. C. C. No. 591, Supp. No. 150.

Any interested person desiring the Commission to hold a hearing upon such application shall request the Commission in writing so to do within 15 days from the date of this notice. As provided by the general rules of practice of the Commission, Rule 73, persons other than applicants should fairly disclose their interest, and the position they intend to take at the hearing with respect to the application. Otherwise the Commission, in its discretion, may proceed to investigate and determine the matters involved in such application without further or formal hearing. If because of an emergency a grant of temporary relief is found to be necessary before the expiration of the 15-day period, a hearing, upon a request filed within that period, may be held subsequently.

By the Commission.

[SEAL] GEORGE W LAIRD,  
Secretary.

[F. R. Doc. 55-68; Filed, Jan. 4, 1955;  
8:51 a. m.]

[4th Sec. Application 30072]

SODA ASH FROM SALTVILLE, VA., SYRACUSE  
AND SOLVAY, N. Y., TO TRENTON, MICH.

APPLICATION FOR RELIEF

DECEMBER 31, 1954.

The Commission is in receipt of the above-entitled and numbered application for relief from the long-and-short-haul provision of section 4 (1) of the Interstate Commerce Act.

Filed by: C. W. Boin, Agent, for carriers parties to tariffs listed below.

Commodities involved. Soda ash, carloads.

From: Saltville, Va., Syracuse and Solvay N. Y.

To: Trenton, Mich.

Grounds for relief: Competition with rail carriers, circuitous routes, and market competition.

Schedules filed containing proposed rates: Agent Boin's tariff I. C. C. No. A-1015, Supp. No. 46 Agent R. B. Le Grande's tariff I. C. C. No. 253, Supp. No. 125.

Any interested person desiring the Commission to hold a hearing upon such application shall request the Commission in writing so to do within 15 days from the date of this notice. As provided by the general rules of practice of the Commission, Rule 73, persons other than applicants should fairly disclose their interest, and the position they intend to take at the hearing with

respect to the application. Otherwise the Commission, in its discretion, may proceed to investigate and determine the matters involved in such application without further or formal hearing. If because of an emergency a grant of temporary relief is found to be necessary before the expiration of the 15-day period, a hearing, upon a request filed within that period, may be held subsequently.

By the Commission.

[SEAL] GEORGE W LAIRD,  
Secretary.

[F. R. Doc. 55-70; Filed, Jan. 4, 1955;  
8:51 a. m.]

[4th Sec. Application 30073]

VARIOUS COMMODITIES BETWEEN POINTS IN  
OFFICIAL TERRITORY AND TO SOUTHERN  
TERRITORY

APPLICATION FOR RELIEF

DECEMBER 31, 1954.

The Commission is in receipt of the above-entitled and numbered application for relief from the long-and-short-haul provision of section 4 (1) of the Interstate Commerce Act.

Filed by: C. W. Boin and C. R. Goldrich, Agents, for carriers parties to tariffs I. C. C. Nos. A-968 and 591, respectively and other tariffs, pursuant to fourth-section order No. 17220.

Commodities involved: Various commodities.

From: Points in official territory.

To: Points in official and southern territories.

Grounds for relief: Competition with rail carriers and circuitous routes.

Any interested person desiring the Commission to hold a hearing upon such application shall request the Commission in writing so to do within 15 days from the date of this notice. As provided by the general rules of practice of the Commission, Rule 73, persons other than applicants should fairly disclose their interest, and the position they intend to take at the hearing with respect to the application. Otherwise the Commission, in its discretion, may proceed to investigate and determine the matters involved in such application without further or formal hearing. If because of an emergency a grant of temporary relief is found to be necessary before the expiration of the 15-day period, a hearing, upon a request filed within that period, may be held subsequently.

By the Commission.

[SEAL] GEORGE W LAIRD,  
Secretary.

[F. R. Doc. 55-71; Filed, Jan. 4, 1955;  
8:51 a. m.]